



2009 CATALOG



customerservice@gotocsitech.com
globalsalesteam@gotocsitech.com

Toll Free: 1-(877) 671-2218

Fax: (813) 374-2457

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MANUFACTURER

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Custom Cable Assemblies

Providing over 20 years experience in the manufacture of Telecom, Data and Broadband cable assemblies, technology. We have listed **CSI Technologies Inc.** offers the most complete line of high quality, custom engineered cable assemblies in the industry. Our commitment to excellence, quality and customer service is unparalleled.

The following section lists cables by OEM and technology. We have listed **CSI Technologies Inc.** and OEM part numbers as a cross reference where applicable for VF, DS0 and DS1 type applications.



ACCESS MAX (DMAX 1120)

AFC CROSS-REFERENCE GUIDE



CSI Tech Part No.	AFC Part No.	Application	Description	Cable Type
CA2-0150-T83-TSD-2	0410-0277	DS1 (J100) Primary,One Shelf	S/E, 50 Pos.(F), 150ft.	6pr/22awg 2) TSD
CA2-0250-T83-TSD-2	0410-0267	DS1 (J100) Primary,One Shelf	S/E, 50 Pos.(F), 250ft.	6pr/22awg (2) TSD
CA2-0450-T83-TSD-2	0410-0268	DS1 (J100) Primary,One Shelf	S/E, 50 Pos.(F), 450ft.	6pr/22awg (2) TSD
CA2-0650-T83-TSD-2	0410-0269	DS1 (J100) Primary,One Shelf	S/E, 50 Pos.(F), 650ft.	6pr/22awg (2) TSD
CA2-0150-T97-TSD-2	0410-0278	DS1 (J200) Primary,Intra-Bay	S/E, 50 Pos.(F), 150ft.	6pr/22awg (2) TSD
CA2-0250-T97-TSD-2	0410-0270	DS1 (J200) Primary,Intra-Bay	S/E, 50 Pos.(F), 250ft.	6pr/22awg (2) TSD
CA2-0450-T97-TSD-2	0410-0271	DS1 (J200) Primary,Intra-Bay	S/E, 50 Pos.(F), 450ft.	6pr/22awg (2) TSD
CA2-0650-T97-TSD-2	0410-0272	DS1 (J200) Primary,Intra-Bay	S/E, 50 Pos.(F), 650ft.	6pr/22awg (2) TSD
CA2-0000-11T-100-1	N/A	DS1 (J100) Expansion,Multi-Self	S/E, 50 Pos.(F)	6pr/22awg (2) TSD
CA2-0000-12T-200-1	N/A	DS1 (J200) Expansion,Multi-Self	S/E, 50 Pos.(F)	6pr/22awg (2)+1pr 22awg TSD
CA2-0000-13T-300-1	N/A	DS1 (J300) Expansion,Multi-Self	S/E, 50 Pos.(F)	6pr/22awg (2) TSD
CA2-0000-14T-400-1	N/A	DS1 (J400) Expansion,Multi-Self	S/E, 50 Pos.(F)	6pr/22awg (2) TSD
CA2-0000-15T-500-1	N/A	DS1 (J500) Expansion,Multi-Self	S/E, 50 Pos.(F)	6pr/22awg (2)+1pr 22awg TSD
CA4-0000-40B-T00-1	N/A	DS0 (TELUS)	S/E 50 pos (F) Standard Entry	25pr/24awg
CA4-0000-41B-T00-1	N/A	DS0/HD(TELUS)	S/E 50 pos (F) REV Entry	25pr/24awg
CA4-0150-T84-TSD-2	0410-0274	OSI (J300)	S/E, 50 Pos.(F), 3pr. used,150ft.	6pr/22awg TSD
CA4-0250-T84-TSD-2	0410-0260	OSI (J300)	S/E, 50 Pos.(F), 3pr. used, 250ft.	6pr/22awg TSD
CA4-0450-T84-TSD-2	0410-0261	OSI (J300)	S/E, 50 Pos.(F), 3pr. used, 450ft.	6pr/24awg TSD
CA4-0650-T84-TSD-2	0410-0262	OSI (J300)	S/E, 50 Pos.(F), 3pr. used, 650ft.	6pr/22awg TSD
CA4-0150-T98-TSD-2	0410-0279	RAI (J300)	S/E, 50 Pos.(F), 150ft.	6pr/22awg TSD
CA4-0250-T98-TSD-2	0410-0280	RAI (J300)	S/E, 50 Pos.(F), 250ft.	6pr/22awg TSD
CA4-0450-T98-TSD-2	0410-0281	RAI (J300)	S/E, 50 Pos.(F), 450ft.	6pr/22awg TSD
CA4-0650-T98-TSD-2	0410-0282	RAI (J300)	S/E, 50 Pos.(F), 650ft.	6pr/22awg TSD
CA2-0150-46C-TSD-2	0410-0273	Timing(J500)	S/E, 50 Pos.(F), 150ft.	2pr/22awg (2)
CA2-0250-46C-TSD-2	0410-0257	Timing(J500)	S/E, 50 Pos.(F), 250ft.	2pr/22awg (2)
CA2-0450-46C-TSD-2	0410-0258	Timing(J500)	S/E, 50 Pos.(F), 450ft.	2pr/22awg (2)
CA2-0650-46C-TSD-2	0410-0259	Timing(J500)	S/E, 50 Pos.(F), 650ft.	2pr/22awg (2)
CA4-0150-31A-TSD-2	0410-0275	AI CABLE (J600)	D/E, 50 Pos.(F) to RJ45, 150ft.	4pr/24awg Cat5E TSD
CA4-0250-31A-TSD-2	0410-0263	AI CABLE (J600)	D/E, 50 Pos.(F) to RJ45, 250ft.	4pr/24awg Cat5E TSD
CA4-0250-31A-TSD-2	N/A	AI CABLE (J600)	D/E, 50 Pos.(F) to RJ45	4pr/24awg Cat5E
CA4-0000-102-TFT-1	N/A	DS0 CABLE	S/E(F)	25pr/24awg TIW

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ACCESS MAX (DMAX 1120)
AFC CROSS-REFERENCE GUIDE
CBA2 "SPIDER CABLE"

CSI Tech Part No.	AFC Part No.	Application	Description
CA2-0000-H57-AFC-2	N/A	DS1 (J100-J500) Expansion	SPIDER CBA2, J100-J500
CA2-0150-H58-AFC-2	0410-0276	DS1 (J100-J500) Expansion	SPIDER CBA2, J100-J500, 150ft.
CA2-0250-H59-AFC-2	0410-0264	DS1 (J100-J500) Expansion	SPIDER CBA2, J100-J500, 250ft.
CA2-0450-H60-AFC-2	0410-0265	DS1 (J100-J500) Expansion	SPIDER CBA2, J100-J500, 450ft.
CA2-0650-H61-AFC-2	0410-0266	DS1 (J100-J500) Expansion	SPIDER CBA2, J100-J500, 650ft.

ADC
DATA CABLES



CSI Tech Part No.	ADC Part No.	Description	Cable Type
CA2-0000-T13-000-1	01-930XX-111	Kentrox CSU T1	2pr/22awg
CA4-0000-186-000-1	01-930XX-101	DA15P to Pigtail	4pr/24awg
CA4-0000-187-000-1	01-930XX-111	DA15S to Pigtail	Dual Pair
CA4-0000-188-000-1	01-930XX-121	RJ48C to DA15P	Indiv Shld
CA4-0000-189-000-1	01-930XX-141	RJ48C to RJ48C	Pairs
CA4-0000-190-000-1	01-930XX-151	RJ48C to DA15S	Pairs
CA6-0010-578-000-2	01-93010-061	RJ48H to RJ48H, 10ft.	Pairs
CA4-0006-598-000-2	01-78893-001	Adaptor Cable DB25, 6ft.	Pairs
CA4-0000-R55-000-1	01-93XXX-091	D/E DB15 (M) to (F)	Pairs

**ADTRAN
E220HDSL**

CSI Tech Part No.	Description	Cable Type
CA6-0000-447-000-1	E220 HDSL S/E (F) DS1	16pr/26awg
CA4-0000-C12-000-1	E220 HDSL Loop Cable	25pr/24awg TSD

**ADTRAN
BR1/10 2x CHASSIS**


CSI Tech Part No.	Description	Cable Type
CA4-0000-J29-000-1	Pair Gain T1 - S/E (F) ISDN T,R to MDF	20pr/24awg 255A
CA4-0000-J88-000-1	S/E (F)T,R,T1,R1,"A" Side	20pr/24awg 255A
CA4-0000-J89-000-1	S/E (F)T,R,T1,R1,"B" Side	20pr/24awg 255A
CA4-0000-J94-000-1	D/E 2(F) to 1(F) (T and R Leads 1-20)	20pr/24awg 255A
CA6-0000-J95-000-1	S/E 2(F)T,R and T1,R1	48pr/26awg 822A
CA6-0000-J96-000-1	S/E 4(F) T,R and T1,R1	96pr/26awg 823A
CA6-0000-J99-000-1	S/E T, R (2) shelves (4) 50P (F) to Stub	48pr/26awg, 822A
CA4-0000-K27-000-1	S/E (F) 5 Shelf T,R,T1,R1, Set of 2	100pr/24awg 262A
CA4-0000-K30-000-1	S/E (F) 4 Shelf T,R,T1,R1, Set of 2	50pr/24awg
CA4-0000-K35-000-1	D/E (F) 4 Shelf T,R only, Set of 2	50pr/24awg
CA4-0000-01J-000-1	S/E 50P (F) T, R side A to Stub	12pr/24awg, 265A
CA4-0000-02J-000-1	S/E 50P (F) T, R side B to stub	12pr/24awg, 265A
CA4-0000-03J-000-2	D/E 3X2 IDSL Splitter 1-20 (2) 50P (F) to (1) 50P (M) & (1) 50P(F)	12pr/24awg, 1107
CA4-0000-04J-000-2	D/E 3X4 IDSL Splitter 1-25 (2) 50P (F) to (1) 50P (M)	12pr/24awg, 1107
CA4-0002-J26-000-2	D/E 2(F) to 1(M) "Y" Cable, 2ft.	20pr/24awg 255A
CA4-0003-J30-000-2	Pair Gain T1 "Y" F - (2) 710BD T,R to MDF, 3ft.	20pr/24awg 255A
CA6-0000-J85-000-1	(2) 50 Pos.(F) T,R only, Single Shelf	20pr/26awg
CA6-0000-J86-000-1	(8) 50 Pos.(F) T,R only, Four Shelf	80pr/26awg
CA7-0000-P35-000-1	(2) 50 Pos. R/B Mate N Lock to Ring Terminals ISDN	1C/14awg
	tub	48pr/26awg, 822A

**ADTRAN
TOTAL ACCESS TA1500**

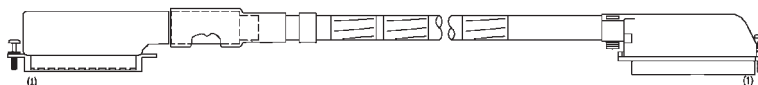
CSI Tech Part No.	Description	Cable Type
CA4-0000-H27-000-1	S/E (4) 50 Pos.(F), TI, 1-100 Count	100pr/24awg TIW
CA4-0000-H37-000-1	S/E (4) 50 Pos.(F), TI, 1-100 Count, Ind. Box	100pr/24awg TIW
CA4-0025-H37-000-1	S/E 50 Pos.(F), TI, 1-100 Count, Ind. Box, 25ft	100pr/24awg TIW
CA4-0050-H37-000-1	S/E (2) 50 Pos.(F), TI, 1-100 Count, Ind. Box, 50ft	100pr/24awg TIW
CA4-0100-H37-000-1	S/E (2) 50 Pos.(F), TI, 1-100 Count, Ind. Box, 100ft	100pr/24awg TIW
CA4-0200-H37-000-1	S/E (2) 50 Pos.(F), TI, 1-100 Count, Ind. Box, 200ft	100pr/24awg TIW
CA4-0300-H37-000-1	S/E (2) 50 Pos.(F), TI, 1-100 Count, Ind. Box, 300ft	100pr/24awg TIW
CA4-0005-H44-000-2	D/E (4) 50 Pos.(F) to (F), TI, 1-100 Count, Boxed	100pr/24awg TIW

**ADTRAN
Total Access TA3000 (SBC Only)**

CSI Tech Part No.	Description	Cable Type
CA4-0000-H71-L00-2	D/E (4) 64P (F) to (4) 50P (M) Leg 1-4 w/16/24 Leg 5 (Set of 2) Left Feed	25pr/24awg
CA4-0000-H72-R00-2	D/E (4) 64P (F) to (4) 50P (M) Leg 1-4 w/16/24 Leg 5 (Set of 2) Right Feed	24pr/24awg

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ADTRAN**TOTAL ACCESS TA3000**

CSI Tech Part No.	Description	Cable Type
CA4-0000-D12-000-1	S/E(F) T1 w/Drain,100 ohm, 64 Pos.	28pr/24awg
CA4-0000-B69-000-1	S/E(F) T1 w/Drain,100 ohm, 50 Pos.	25pr/24awg
CA4-0000-D13-000-1	D/E(F) T1 w/Drain,100 ohm, 64 Pos.	28pr/24awg
CA4-0000-B68-000-1	D/E(F) T1 w/Drain,100 ohm, 50 Pos.	25pr/24awg
CA6-0000-B16-000-1	S/E(F) T1 w/Drain,100 ohm	28pr/26awg 1249
CA4-0000-B38-000-1	S/E(F) P1/P3 T400 Shelf, Set of 2	20pr/24awg 255A
CA4-0000-B18-000-1	D/E T-1 (1) 64P (F) to (1) 64P (F) Cinch 90 degree	28pr/26awg, 1249
CA4-0000-37J-TSD-1	D/E Bartac cab (1) 64P (M) to HOMACO (2) 50P (M) MJP19	(2) 25pr/24awg, TSD
CA4-0000-38J-TSD-1	D/E Bartac cab (1) 64P (M) to HOMACO (2) 50P (M) RJ48X	(2) 25pr/24awg, TSD
CA4-0000-41J-TA3-2	D/E Splitter (8) 64P (F) to (4) 50P (M), (2) 50P (F)	(6X) 24pr/24awg
CA4-0000-65K-ST1-2	D/E CAT-3 TA3000 to TA3050 (2) 64P (F) (set of 8)	32pr/26awg, CAT-3

ADTRAN**TOTAL ACCESS MX2800**

CSI Tech Part No.	Description	Cable Type
CA4-0000-26D-TSD-1	S/E T-1 (1) 64P (M) (std) to stub (individually boxed)	28pr/24awg
CA4-0000-32D-000-1	S/E T-1 (1) 64P (M) (rev) To stub	28pr/24awg
CA4-0000-34D-TSD-1	D/E T-1 (1) 64P (F) to (1) 50P (M) 25pr used, sp-binder 64 end	28pr/24awg
CA4-0000-D89-0T1-1	D/E T-1 (1) 64P (F) to (1) 64P (M) cinch drain on pin 64	28pr/24awg
CA4-0000-D91-TSD-1	D/E T-1 (1) 64P (M) (std) to (1) 64P (M) (rev) drain pin 64	28pr/24awg
CA4-0000-D98-000-1	S/E T-1 (1) 64P (F) w/cinch female conn kit	8pr/24awg
CA4-0000-D99-REV-1	S/E T-1 (1) 64P (M) (rev) to stub	28pr/24awg

ADTRAN**TOTAL ACCESS PG/TEST**

CSI Tech Part No.	Description	Cable Type
CA4-0000-B72-000-1	D/E (1) BICON M/F to rev (1) 50P (F)	25pr/24awg
CA4-0000-B72-014-2	D/E (1) BICON M/F to rev (1) 50P (F) -14 ft	25pr/24awg
CA4-0000-B72-016-2	D/E (1) BICON M/F to rev (1) 50P (F) -16ft	25pr/24awg

ADTRAN**TOTAL ACCESS MISC**

CSI Tech Part No.	Description	Cable Type
CA2-0000-D06-000-1	S/E T-1 (1) 64P (F) to stub	32pr/22awg, 615C
CA6-0000-D07-000-1	S/E T-1 (1) 64P (F) to stub	32pr/26awg, 1249
CA4-0000-D08-000-1	S/E T-1 (1) 64P (F) to stub	32pr/24awg, 1249
CA2-0006-E23-000-2	D/E T-1 (1) 64P (F) to (4) DB25M	32pr/22awg, TSD

ADTRAN
TOTAL ACCESS ADAPTER HARNESS

CSI Tech Part No.	Description	Cable Type
CA6-0000-H41-000-2	D/E (8X) 64P (F) to (9X) 50P (M) P/N 1181922L1	28pr/26awg, 1249
CA6-0000-H42-000-2	D/E (8X) 64P (F) to (10X) 50P (M) w/IMAX (710-SD1)	28pr/26awg, 1249
CA6-0000-H46-000-2	D/E (8X) 64P (F) to (8X) 50P (M)	28pr/26awg, 1249
CA4-0000-H55-T00-1	S/E (4X) 50P Back to Back M/F to stub	100pr/24awg, T1W
CA4-0000-H62-000-2	D/E (4X) 64P (F) to (4) 50P (M) 6FT w/16pr/24awg (set of 2)	25pr/24awg, T-1
CA6-0000-H63-000-2	D/E (8X) 64P (F) to (10) 50P (M) (Alltel only)	28pr/26awg, 1249
CA4-0012-H64-000-2	D/E (8X) 64P (F) to (10) 50P (F) 12FT	28pr/26awg, 1249

ADTRAN 3010 HDSL
TOTAL ACCESS TA3010
DS0/DS1 Connectorized with Terminal Block

CSI Tech Part No.	Description	Cable Type
CA4-0000-3C0-000-1	D/E 50 Pos.(F) to 50 Pos.(F), Set of 2 to MDF	25pr/24awg TSD
CA4-0000-3C1-000-1	S/E 50 Pos.(F) to STUB, Set of 2 to DSX	25pr/24awg TSD

ADTRAN 3050 Splitter
TOTAL ACCESS TA3000
AT&T/ASI

CSI Tech Part No.	Description	Cable Type
Coppermax Test Bus		
CA4-0000-98C-REV-2	S/E 50 Pos (M) Rev Entry 90 Hood 8 ft 4 in	2pr/24ga
CA4-0000-98C-REV-1	S/E 50 Pos (M) Rev Entry 90 Hood (variable)	2pr/24ga
MDF Cable Kit-(10)		
CA4-0000-1K3-HDX-1	(6) CA4-0000-H96-TSD-1, (4) CA4-0000-H95-TSD-1	(2)50pr/24ga
MDF Cables (RT) & (LT) Entry		
CA4-0000-H96-TSD-1	S/E (2) 50 Pos (F) 180 Hood to Stub (RT Entry)	50pr/24ga
CA4-0000-H95-TSD-1	S/E (2) 50 Pos (F) 180 Hood to Stub (LT Entry)	50pr/24ga
CAT5 Async & Ethernet		
CA4-0000-1A8-STR-1	D/E 8 Pos RJ45 to 8 Pos RJ45 Straight	4pr/24ga
CA4-0000-1A9-XOR-1	D/E 8 Pos RJ45 to 8 Pos RJ45 X-Over	4pr/24ga
CAT5/Async (Northeast)		
CA4-0000-N77-000-1	D/E DB25M 180 Hood to DB25M 180 Hood DCN/Async	4pr/24ga
CAT5/PIGTAIL		
CA4-0000-37A-PGT-1	D/E 8 Pos RJ45 to 8 Pos RJ45 (not to exceed 12 ft)	4pr/24ga
CAT5/ASYNC to L-Com via Cisco 2611		
CA4-0000-1A0-ASN-1	D/E 8 Pos RJ45 to 8 Pos RJ45 (Cisco 2611)	4pr/24ga
CAT5/J31 to L-Com (Mid-W)		
CA4-0000-57N-TSD-1	D/E DB25M w/180 Hood to 8 Pos RJ45	4pr/24ga
CAT5/J31 to AI SW (Central & West)		
CA4-0000-58N-TSD-1	D/E DB25M to RJ45 patch panel	4 pr/24ga
DS3/BNC Straight		
CA1-0000-X44-734-1	ST BNC to ST BNC	734D
CA1-0000-X44-C00-1	ST BNC to ST BNC	734S1
CA1-0000-X34-735-1	ST BNC to ST BNC	735A
CA1-0000-X34-C00-1	ST BNC to ST BNC	735A

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

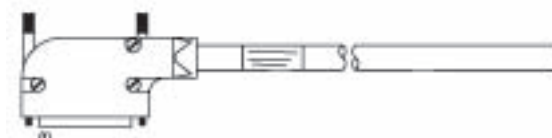
ADTRAN 4303

TOTAL ACCESS

CSI Tech Part No.	Description	Application	Cable Type
CA4-0000-D02-000-1	S/E 64 pos (F) w/ext drain	DS1/DSX1	32pr/24awg (TSD)
CA1-0000-X31-735-1	S/E Straight BNC	DS3/DSX3	735A
CA1-0000-X34-735-1	D/E Straight BNC	DS3/DSX3	735A
CA1-0000-X41-734-1	S/E Straight BNC	DS3-DSX3	734A
CA1-0000-X44-734-1	D/E Straight BNC	DS3/DSX3	734A

AFC

ARCADACS 100



CSI Tech Part No.	Description	Application	Cable Type
CA6-0000-N54-ALM-1	DB25(F) to STUB, 1ea.	Alarm Cable	16/26awg, 807AS
CA4-0000-41A-CFT-1	Cat5E RJ45 to DB9(M), 1ea.	Craft Cable	4/24awg
CA4-0000-44A-TBS-1	Cat5E RJ45 to RJ45, 1ea.	TBOS	4/24awg
CA4-0000-46A-CL1-1	Cat5E RJ45 to RJ45, 1ea.	Ext Clk 1	4/24awg
CA4-0000-48A-CL2-1	Cat5E RJ45 to RJ45, 1ea.	Ext Clk 2	4/24awg
CA6-0000-N55-NMS-1	DB25(M) to STUB, 1ea.	NMS	6/26awg, 1249
CA2-0000-T66-DS1-1	50 Pos.(M) to 50 Pos.(M), 1ea.	DS1 (T1/E1 I/O) 26awg	25/26awg, 1249
CA2-0000-T99-DS1-1	50 Pos.(M) to 50 Pos.(M), 1ea.	DS1 (T1/E1 I/O) 22awg	12/22awg, 607C
CA2-0000-T69-OE1-1	50 Pos.(M) to 50 Pos.(M), 1ea.	E1 (T1/E1 I/O)	25/22awg, X2 609C
CA1-0000-26W-OT3-1	BNC to Str. BNC, Set of 4	DS3 (T3 I/O)	1C /734 Str.
CA1-0000-26W-OT3-1	BNC to Str. BNC, Set of 4	STS1	1C /734 Str.
FOF-0000-124-12A-1	2-Fiber 3.0mm SC to SC, 1ea.	S155	
CA6-0000-B34-TSD-1	50 Pos.(M) to 50 Pos.(M), 1ea.	FXS	25/26awg, 1249
CA6-0000-B34-TSD-1	50 Pos.(M) to 50 Pos.(M), 1ea.	FXO	25/26awg, 1249
CA4-0000-50A-TSD-1	Cat5E RJ45 to RJ45, 1ea.	Ethernet (X-Over)	4/24awg
CA4-0000-30A-TSD-1	Cat5E RJ45 to RJ45, 1ea.	Ethernet (Str. Thru)	4/24awg

AFC

ARCADACS 100

Optional Cables (Single-Ended)

CSI Tech Part No.	Description	Application	Cable Type
CA4-0000-54A-CL1-1	Cat5E RJ45 to STUB Cat5E, 1ea.	Ext Clk 1	4/24awg
CA4-0000-58A-CL2-1	Cat5E RJ45 to STUB Cat5E, 1ea.	Ext Clk 2	4/24awg
CA6-0000-T70-DS1-1	50 Pos.(M) to STUB, 1ea.	DS1 (T1/E1 I/O)	25/26awg, 1249
CA2-0000-19T-DS1-1	50 Pos.(M) to STUB, 1ea.	DS1 (T1/E1 I/O) 22awg	12/22awg, 607C X2

ALCATEL ATM PRODUCTS

ALCATEL 7470

ATM Switch DSI

CSI Tech Part No.	Description
CA6-0000-78C-000-1	S/E 16 port T-1 (1) 64P (B-L-M) (REV) w/90 hood w/(2) 36 in ext drain (2) 16pr/26awg, 1249
CA6-0000-85C-000-1	S/E 16 port T-1 (1) 64P (M) (T, R) w/(2) 36 in ext drain (2) 16pr/26awg, 1249

ALCATEL ATM PRODUCTS

Alcatel 7670/36170 ATM Switch



CSI Tech Part No.	Description
CA4-0000-A69-TSD-1	RJ45 to RJ45 (Ethernet Cable)
CA4-0000-12A-TSD-1	RJ45 to DB9 (Async Cable)

ALCATEL ATM PRODUCTS

Fiber Optic Assemblies 7470/36170

CSI Tech Part No.	Description
FOF-0000-121-11A-1	s/b JS-010CSxxxP
FOF-0000-111-15A-1	s/b JS-010CTxxxP
FOF-0000-22B-22B-1	s/b JZ-062SSxxxPC

ALCATEL ATM PRODUCTS

Fiber Optic Assemblies 7670

CSI Tech Part No.	Description
FOF-0000-121-12A-1	s/b JS-010SSxxxP
FOF-0000-124-12A -1	s/b JZ-010SSxxxPC

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ALCATEL HD 7300 - DSLAM**OVERMOLD DS0/1 CABLE ASSEMBLIES****Spirent/Hekimian RT Shelf**

CSI Tech Part No.	Description	Cable Types
CA4-0000-13C-TSD-1	7126-48 (RT to HD7300) DB9/DB25	4 pr. / 24 awg Cat 5
CA4-0000-1R8-TSD-1	71110-18A (RT to AI-180 Box)	4 pr. / 24 awg TSD
CA4-0000-C57-TSD-1	7124-04 (RT to MDF), D/E 50 Pos.	25pr/24awg TSD
CA4-0000-C92-TSD-1	S/E 50 Pos.(F), metal	25pr/24awg TSD
CA4-0000-99C-TSD-1	S/E 50 Pos. Overmold (HD7300 to MDF)	25pr/24awg TSD
CA4-0000-19C-TSD-1	D/E (M) to (F), (HD7300 to MDF)	25pr/24awg TSD

ALCATEL HD 7300 - DSLAM**OVERMOLD DS3 CABLE ASSEMBLIES****Hekimian Coppermax A Shelf**

CSI Tech Part No.	Description	Cable Types
CA4-0000-10C-TSD-1	DSLAM to MDF, S/E 50 Pos.(M) Overmold	25pr/24awg TSD
CA4-0000-99C-TSD-1	DSLAM to Coppermax A(CP to JE), D/E 50 Pos.(M) Overmold to (F), metal, 90 degree	25pr/24awg TSD
CA4-0000-B39-TSD-1	7125-58 Coppermax A to MDF, S/E 50 Pos. JF to CP, Rev-Male, metal, 90 degree	25pr/24awg
CA4-0000-A38-TSD-1	7121-66P Ethernet cable, Cat5, RJ45 to RJ45	4pr/24awg
CA4-0000-A78-TSD-1	7121-66P Ethernet cable, 1107, RJ45 to RJ45	4pr/24awg
CA4-0000-43R-000-1	Office Alarm-ASAM to MDF/Pos J2/DB37(M) to STU (New Jersey Area Only)	6 pr. / 24 awg

ALCATEL HD 7300 - DSLAM**OVERMOLD DS3 CABLE ASSEMBLIES****ASAM/DSALM to Coppermax**

CSI Tech Part No.	Description	Cable Types
CA4-0000-14C-TSD-1	DSLAM to Coppermax A, D/E 50 Pos.(M), Overmold, plastic to (F), metal, 90 degree	25pr/24awg
CA4-0000-B80-TSD-1	Coppermax A to MDF Connectorized D/E 50 Pos.Rev(M), metal to (F), plastic	25pr/24awg

**ALCATEL HD 7300 - DSLAM
OVERMOLD DS3 CABLE ASSEMBLIES**

Variable length kits for DS3 and OC3 configuration installations. All cables will be labeled at both ends as O.E. Cable # of 45 (DS3 Kit), C.P. Cable # of 45 (DS3 Kit), O.E. Cable # of 90 (OC3 Kit), C.P. Cable # of 90 (OC3 Kit). Color Bands will also be added for ease of cable identification. O.E. Cables color are banded in RED and C.P. Cables color are banded in BLUE.



CSI Tech Part No.	Quantity	Application
DS3 Kit		
CA7-0000-09K-000-1	90	DS3 Configuration. Set of 90 Cables
Cable set includes cables listed below:		
CA4-0000-10C-TSD-1	45	S/E HD 7300 to MDF STUB, Band Marked RED - O.E.
CA4-0000-10C-TSD-1	45	S/E HD 7300 to MDF STUB, Band Marked BLUE - C.P.
OC3 Kit		
CA7-0000-38K-000-1	180	OC3 Configuration. Set of 180 Cables
Cable set includes cables listed below:		
CA4-0000-10C-TSD-1	90	S/E HD 7300 to MDF STUB, Band Marked RED - O.E.
CA4-0000-10C-TSD-1	90	S/E HD 7300 to MDF STUB, Band Marked BLUE - C.P.

**ALCATEL HD 7300 (HALF SETS) - DSLAM
OVERMOLD DS3 CABLE ASSEMBLIES**

For installation situations in which O.E. and C.P. terminal blocks are not located in proximity to one another, CSI Technologies offer half sets of the above kits. Half sets include labeling and color banding.

CSI Tech Part No.	Quantity	Application
CA7-0000-09K-ORD-1	45	DS3 Configuration. Set of 45 Cables, Band Marked RED - O.E.
CA7-0000-09K-OBL-1	45	DS3 Configuration. Set of 45 Cables, Band Marked BLUE - C.P.
CA7-0000-38K-ORD-1	90	OC3 Configuration. Set of 90 Cables, Band Marked RED - O.E.
CA7-0000-38K-OBL-1	90	OC3 Configuration. Set of 90 Cables, Band Marked BLUE - C.P.

ALCATEL HD 7300 - DSLAM KIT

CSI Tech Part No.	Quantity	Application
CA7-0000-M50-DH7-2	45	DS3 Configuration. Set of 45 Cables, Band Marked RED - O.E.
CA7-0000-09K-OBL-1	45	DS3 Configuration. Set of 45 Cables, Band Marked BLUE - C.P.

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ALCATEL**1000 ADSL POTS & DSLAM**

CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA4-0025-C44-TSD-1	3EC 15693 AJ	S/E 50 Pos.(M), 25ft	25pr/24awg TSD
CA4-0050-C44-TSD-1	3EC 15693 AK	S/E 50 Pos.(M), 50ft	25pr/24awg TSD
CA4-0100-C44-TSD-1	3EC 15693 AA	S/E 50 Pos.(M), 100ft	25pr/24awg TSD
CA4-0125-C44-TSD-1	3EC 15693 AB	S/E 50 Pos.(M), 125ft	25pr/24awg TSD
CA4-0150-C44-TSD-1	3EC 15693 AC	S/E 50 Pos.(M), 150ft	25pr/24awg TSD
CA4-0175-C44-TSD-1	3EC 15693 AD	S/E 50 Pos.(M), 175ft	25pr/24awg TSD
CA4-0200-C44-TSD-1	3EC 15693 AE	S/E 50 Pos.(M), 200ft	25pr/24awg TSD
CA4-0225-C44-TSD-1	3EC 15693 AF	S/E 50 Pos.(M), 225ft	25pr/24awg TSD
CA4-0250-C44-TSD-1	3EC 15693 AG	S/E 50 Pos.(M), 250ft	25pr/24awg TSD
CA4-0275-C44-TSD-1	3EC 15693 AH	S/E 50 Pos.(M), 275ft	25pr/24awg TSD
CA4-0300-C44-TSD-1	3EC 15693 AI	S/E 50 Pos.(M), 300ft	25pr/24awg TSD
CA4-0350-C44-TSD-1	3EC 15693 AL	S/E 50 Pos.(M), 350ft	25pr/24awg TSD
CA4-0400-C44-TSD-1	3EC 15693 AM	S/E 50 Pos.(M), 400ft	25pr/24awg TSD
CA4-0450-C44-TSD-1	3EC 15693 AN	S/E 50 Pos.(M), 450ft	25pr/24awg TSD
CA4-0500-C44-TSD-1	3EC 15693 AO	S/E 50 Pos.(M), 500ft	25pr/24awg TSD

ALCATEL**1000 ADSL POTS to MDF BLOCK****DOUBLE-ENDED CABLE ASSEMBLY**

CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA4-0000-C66-TSD-1	3EC-15593	D/E 50 Pos.180° Ratchet (M) to 90° (F)	25pr/24awg TSD
CA4-0000-32C-TSD-1	3EC-15593	D/E 50 Pos.180° Ratchet (M) to 90° (M)	25pr/24awg TSD

ALCATEL**ADSL ALARM CABLE**

CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA4-0000-43R-000-1	N/A	S/E DB37(M) C.O. Alarm	6pr/24awg TIW

ALCATEL**ADSL ALARM RIBBON CABLE**

CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA8-0000-A24-000-1	N/A	D/E DB9(M) to DB9(F), Set of 2	9c Ribbon

This cable set includes (1) 2ft. Assembly and (1) variable Length Assembly with RJ45 Kit .

ALCATEL**ADSL MISC. CABLE ASSEMBLIES**

CSI Tech Part No..	ALCATEL Part No.	Description	Cable Type
CA4-0000-48R-000-1	N/A	S/E 90° DB37(M) Top Rack Unit J1	25pr/24awg TIW
CA4-0000-85R-000-1	N/A	D/E DB9 to 8 Pos. Modular Interface to Datakit	4pr/24awg 286A
CA4-0000-86R-000-1	N/A	D/E DB9(M) to (F) Craftsman Interface	6pr/24awg TIW
CA4-0000-87R-000-1	N/A	D/E DB9 to DB25(M) ADSL to AI DTE	4pr/24awg 286A

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ALCATEL
1603 - 12 DS1



CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA6-0000-T23-000-1	N/A	S/E 64 Pos. B/L (M) DSX I/O, Set of 2	28pr/26awg 1249
CA6-0000-T26-000-1	N/A	D/E 64 Pos. B/L (M) to 180° S/L, Set of 2	28pr/26awg 1249
CA6-0000-T34-000-1	N/A	S/E 64 Pos. B/L (M), Set of 2	28pr/26awg 1249
CA2-0000-T35-000-1	N/A	S/E 64 Pos. B/L (M), Set of 2	30pr/22awg 613C
CA2-0000-T36-000-1	N/A	D/E 64 Pos. B/L (M), Set of 2	30pr/22awg 613C
CA6-0000-T63-000-1	N/A	D/E 64 Pos.(M) to (2)37 Pos.(F), Set of 2	32pr/26awg 1249

ALCATEL
1631 SINGLE DS1

CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA2-0000-522-000-1	N/A	D/E 64 Pos. Amphenol (M)	30pr/22awg 613C
CA2-0000-523-000-1	694-0483-XXX	S/E 64 Pos. Amphenol (M), Rev. Entry	30pr/22awg 613C
CA2-0000-D41-000-1	N/A	S/E 64 Pos.(M) Teeth/Shld. Ext./ 24" Drain	32pr/22awg 615C
CA6-0000-D42-000-1	N/A	S/E 64 Pos.(M) Teeth/Shld. Ext./ 24" Drain	32pr/26awg 1249
CA2-0000-T57-000-1	N/A	S/E 64 Pos. B/L (M), Split Cable	(20)12pr/617-607C
CA2-0000-T58-000-1	N/A	S/E 64 Pos. B/L (M), Split Cable	(25)6pr/606-609C
CA6-0000-549-000-1	N/A	D/E 64 Pos. B/L (M) SX DCS	28pr/26awg 1249
CA6-0000-550-000-1	N/A	S/E 64 Pos. B/L (M)1631 SH	28pr/26awg 1249
CA2-0000-A14-000-1	N/A	S/E DB9 1631 Data Clock Cable	1pr/22awg

ALCATEL
DMX 3003 DS1

CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA2-0000-400-000-1	694-0232-XXX	S/E 36 Pos.(F) High Dens. Sh., Set of 2	30pr/22awg 613C
CA2-0000-739-000-1	694-0233-XXX	S/E 36 Pos.(F) 180° Hood, Dual Connectors	30pr/22awg 613C
CA2-0000-499-000-1	N/A	D/E 36 Pos.(F) 180° Dual Connectors	30pr/22awg 613C

ALCATEL
DEXCS DS1

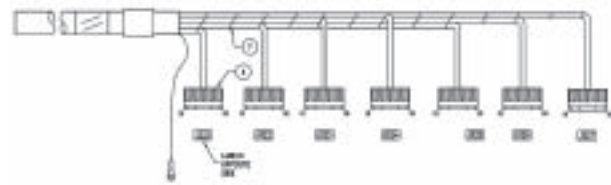
CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA2-0000-T30-000-1	453-0338	S/E 50 Pos. F Slot (M), DS1 Cable	16pr/22awg 608C
CA6-0000-975-000-1	N/A	S/E 50 Pos. Metal (M), DS1 Cable	16pr/26awg 1249
CA6-0000-975-DEM-1	N/A	S/E 50 Pos. Metal (M), DS1 Cable	16pr/26awg 1249

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ALCATEL

DML 3X50 DS1

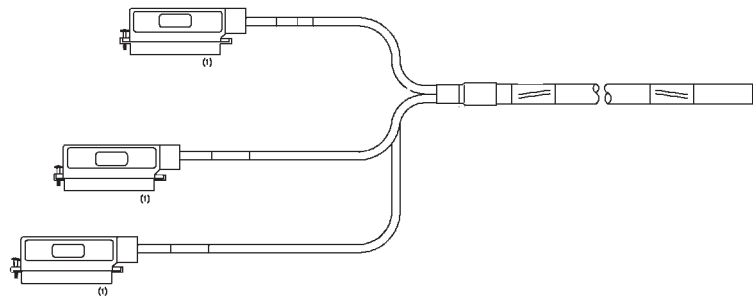


CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA2-0000-437-000-1	N/A	D/E 64 Pos.(M), In Transmit (Left)	30pr/22awg 613C
CA2-0000-438-000-1	N/A	D/E 64 Pos.(M), Out Receive (Left)	30pr/22awg 613C
CA2-0000-439-000-1	N/A	D/E 64 Pos.(M), In Transmit (Right)	30pr/22awg 613C
CA2-0000-440-000-1	N/A	D/E 64 Pos.(M), Out Receive (Right)	30pr/22awg 613C
CA4-0000-737-TSD-1	N/A	S/E 24 Pos.(M), Office Alarm Cable	12pr/24awg TSD
CA2-0000-778-000-1	694-0240-XXX	S/E 9 Pos., In Transmit (Left)	30pr/22awg 613C
CA2-0000-779-000-1	694-0241-XXX	S/E 64 Pos., Out Receive (Left)	30pr/22awg 613C
CA2-0000-780-000-1	694-0248-XXX	S/E 9 Pos., In Transmit (Right)	30pr/22awg 613C
CA2-0000-781-000-1	694-0249-XXX	S/E 64 Pos., Out Receive (Right)	30pr/22awg 613C

ALCATEL

LITESPAN 2000 CABLING OPTIONS

56 DS1's for C.O.T.



CSI Tech Part No.	Description	Cable Type
CA2-0000-05J-000-1	S/E 3-50 Pos.(M), Set of 2	56pr/22awg 618C
CA2-0000-05J-001-1	S/E 3-50 Pos.(M), In Cable #1	56pr/22awg 618C
CA2-0000-05J-002-1	S/E 3-50 Pos.(M), Out Cable #2	56pr/22awg 618C
CA2-0000-T31-000-1	S/E 50 Pos.(M) w/ Ext.Drain	16pr/22awg 608C
CA2-0000-T32-000-1	S/E 50 Pos.(M) w/ Ext.Drain	20pr/22awg 617C
CA4-0000-C12-000-1	E220 HDSL Loop Cable	25pr/24awg TSD

ALCATEL

56 DS1's for O.S.P. w/710 connectors

CSI Tech Part No.	Description	Cable Type
CA2-0000-L43-000-1	S/E 3-50 Pos. 710BD, Set of 2	56pr/22awg 618C
CA2-0000-L43-001-1	S/E 3-50 Pos. 710BD, In Cable #1	56pr/22awg 618C
CA2-0000-L43-002-1	S/E 3-50 Pos. 710BD, Out Cable #2	56pr/22awg 618C
CA2-0000-238-000-1	S/E 50 Pos. 710BD	16pr/22awg 608C
CA2-0000-237-000-1	S/E 50 Pos. 710BD	20pr/22awg 617C

ALCATEL
84 DS1's for C.O.T.

CSI Tech Part No.	Description	Cable Type
CA2-0000-20J-000-1	S/E (3) 50 Pos.(M), Set of 2 Each	56pr/22awg 618C 30pr/22awg 613C
CA2-0000-05J-001-1	S/E (3) 50 Pos.(M), In Cable # 1	56pr/22awg 618C
CA2-0000-05J-002-1	S/E (3) 50 Pos.(M), Out Cable # 2	56pr/22awg 618C
CA2-0000-12J-001-1	S/E (2) 50 Pos.(M), In Cable # 1	30pr/22awg 613C
CA2-0000-12J-002-1	S/E (2) 50 Pos.(M), Out Cable # 2	30pr/22awg 613C
CA2-0000-J98-000-1	3-50 Pos.(M) to (2) 64 Pos.(M)	56pr/22awg

ALCATEL
84 DS1's for O.S.P. w/710 connectors

CSI Tech Part No.	Description	Cable Type
CA2-0000-L45-000-1	S/E (3) 50 Pos. 710BD, Set of 2 Each	56pr/22awg 618C 28pr/22awg 613C
CA2-0000-L43-001-1	S/E (3) 50 Pos. 710BD, In Cable # 1	56pr/22awg 618C
CA2-0000-L43-002-1	S/E (3) 50 Pos. 710BD, Out Cable # 2	56pr/22awg 618C
CA2-0000-L44-001-1	S/E (2) 50 Pos. 710BD, In Cable # 1	30pr/22awg 613C
CA2-0000-L44-002-1	S/E (2) 50 Pos. 710BD, Out Cable # 2	30pr/22awg 613C

ALCATEL
DS0 for C.O.T.

CSI Tech Part No.	Description	Cable Type
CA4-0000-267-000-1	S/E (4) 50 Pos.(F)	100pr/24awg TSD
CA4-0000-102-TSD-1	S/E 50 Pos.(F)	25pr/24awg TSD

ALCATEL
DS0 for O.S.P. w/710 connectors

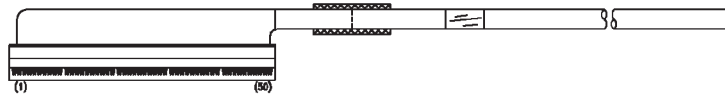
CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA4-0000-366-000-1	453-0926	S/E (4) 50 Pos. 710BD	100pr/24awg TSD
CA4-0000-141-TSD-1	453-0897	S/E 50 Pos. 710BD	25pr/24awg TSD

ALCATEL
X.25 Cable Assemblies

CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA4-0000-33R-000-1	453-0090	D/E (4) DB25(M) to (F)	10C/24awg TIW
CA4-0000-131-DSC-1	453-0800	D/E 50 Pos.(M) to (F)	25pr/24awg TIW

ALCATEL

LITESPAN 2000 DS1



CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA6-0000-134-DSC-1	453-0799-000	S/E 710 DS1/710, Wide Band, Drain on pin 50	20pr/26awg 1249
CA6-0000-133-DSC-1	453-0801-000	S/E (M) w/ Drain on T1/26awg	20pr/26awg 1249
CA6-0000-135-DSC-1	453-0821-000	S/E 710 DS1/710 Reverse Entry	20pr/26awg 1249
CA2-0000-05J-000-1	N/A	S/E 3(M) DS1 Cable, Drain on Pin 50	56pr/22awg 618C
CA2-0000-138-DSC-1	N/A	S/E (M) w/ Ext., Drain T1's/22awg.	25pr/22awg 609C
CA2-0000-139-DSC-1	N/A	S/E (M) T1's/22awg - Drain on Pin 25	25pr/22awg 609C
CA2-0000-237-000-1	N/A	S/E 710BD DS1-20 Cable	20pr/22awg 617C
CA2-0000-238-000-1	N/A	S/E 710BD DS1-16 Cable	16pr/22awg 608C
CA2-0000-B06-000-1	N/A	S/E F-Slot (M) DS1 Cable, Drain on	25pr/22awg 609C
CA2-0000-J77-000-1	N/A	S/E 3(M) DS1 Cable	56pr/22awg 618C
CA2-0000-T31-000-1	N/A	S/E (M) DS1 Cable w/ Ext Drain	16pr/22awg 608C
CA2-0000-T32-000-1	N/A	S/E (M) DS1 Cable w/ Ext Drain	20pr/22awg 617C
CA6-0000-478-DSC-1	N/A	DS1/3M Reverse Entry	20pr/26awg 1249

ALCATEL

LITESPAN 2000 DS0

CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA4-0000-267-000-1	N/A	S/E (4) (F)	100pr/24awg TSD
CA4-0000-364-000-1	N/A	S/E (F) DS0 Cable	100pr/24awg TIW
CA4-0000-366-000-1	N/A	S/E 710BD (RT)	100pr/24awg TSD
CA4-0000-477-DSC-1	N/A	S/E 3M REV. DS0 Cable	25pr/24awg TIW
CA4-0000-B07-T00-1	N/A	D/E (M) to (F) PGTC Daisy Chain	25pr/24awg TIW
CA4-0000-J52-000-1	N/A	S/E (4) 710BD1-25	100pr/24awg TIW
CA4-0000-J61-000-1	N/A	D/E (F) (Boot to Harness) DS0	100pr/24awg TIW
CA4-0000-J62-000-1	N/A	D/E (F) (Boot to Harness) DS0	50pr/24awg TIW
CA4-0000-J63-000-1	N/A	D/E (F) (Ratchet/Slide-On) DS0	25pr/24awg TIW
CA4-0000-J64-000-1	N/A	S/E (4)(F) DS0 Cable	100pr/24awg TIW
CA4-0000-J65-000-1	N/A	S/E (2)(F) DS0 Cable	50pr/24awg TIW
CA4-0000-J66-000-1	N/A	S/E (F) (13" Tube Extender) DS0	25pr/24awg TIW
CA4-0000-L23-000-1	N/A	D/E 3M DS0 Cable	25pr/24awg TIW
CA6-0000-132-DSC-1	453-0798-000	S/E 710 DS0/710 (B Side), Narrow Band	25pr/26awg TIW
CA6-0000-136-DSC-1	453-0820-000	S/E 710 DS0/710 Reverse Entry	25pr/26awg TIW
CA6-0000-137-DSC-1	453-0803-000	S/E (F) DS0	25pr/26awg TIW
CA6-0000-140-DSC-1	N/A	(4)710 DSC DS0 (18" Legs), Rev Ent	100pr/26awg TIW

ALCATEL

LITESPAN 2000 (SPECIALTY CABLES)

CSI Tech Part No.	ALCATEL Part No.	Description	Cable Type
CA4-0000-131-DSC-1	453-0800-000	D/E (M) / (F) w/ Ratchett Hoods & (1) Hairpin	25pr/24awg TIW
CA4-0000-360-T00-1	N/A	S/E 710BD RT(DC Test Pr)	4pr/24awg TIW
CA4-0000-361-T00-1	N/A	S/E (F) RT(DC Test Pr)	4pr/24awg TIW
CA4-0000-933-000-1	N/A	D/E (M) / (F) DB9 Aux. Serial Port Cable	9C/24awg TSD
CA7-0000-K11-000-2	N/A	(RT)-Set Initial Bay	Custom
CA7-0000-K12-000-2	N/A	(RT)-Cable Set-Growth Bay#1	Custom
CA7-0000-K13-000-2	N/A	(RT)-Cable Set-Growth Bay#2	Custom
CA4-0001-144-TSD-2	N/A	D/E (M) / (F) and DB20(M), 1ft.	25pr/24awg TSD

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**APPLIED INNOVATIONS
SWITCH CABLE ASSEMBLIES**



CSI Tech Part No.	AI Part No.	Description	Cable Type
CA4-0000-912-000-1	CA157	D/E DB25(M) 180° RS530/RS530 AI Switch A1009 I-L	9pr/24awg TSD
CA4-0000-A11-000-2	N/A	D/E (M) AI Switch to 1631SX Fixed Length Assemblies	10pr/24awg
CA4-0000-03R-000-1	N/A	S/E DB25(M) AI Switch to Secure 7 w/DB25(M) Kit	9c/24awg TSD
CA4-0000-04R-000-1	N/A	S/E DB25(M) AI Switch to Secure 7 W/DB37(M) Kit	9pr/24awg TSD
CA4-0000-22R-000-1	N/A	S/E DB25(M) Alcatel X.25 - AI Switch	9pr/24awg TSD
CA4-0000-23R-000-1	N/A	S/E DB25(M) Titan 5500 - AI Switch	9pr/24awg TSD
CA4-0000-263-000-1	CA122	D/E (M) AI Switch Sync (X.25 GATEWAY)	9c/24awg TSD
CA4-0000-295-000-1	N/A	D/E (M) AI Switch to Modem	9pr/24awg STR
CA4-0000-33R-000-1	N/A	D/E DB25(M) to (F) AI to LTSP Sync/Modem	10C/24awg TIW
CA4-0000-564-000-1	CA177	D/E DB25(M) AI Switch(192) Conklin(L3)	15C/24awg TSD
CA4-0000-573-000-1	CA192S	D/E DB25(M) AI Sync/Modem (BELL SOUTH)	9C/24awg TSD
CA4-0000-911-000-1	CA139	D/E DB25(M)/RJ48 AT&T 311 Computer to AI Switch	8C/26awg STR
CA4-0000-913-000-1	CA152S	D/E (M) 180° RS530/RS530 AI Switch A1009 Null Modem	9pr/24awg TSD
CA4-0000-914-000-1	CA115	D/E (M) 180°/45°AI Switch-Sync Null Modem	15c/24awg TSD
CA4-0000-A11-000-1	N/A	D/E DB25(M) AI Switch to 1631SX	10pr/24awg
CA4-0000-R18-000-1	N/A	D/E DB25(M) to DB-37(F) CT-800 to AI Switch	9pr/24awg
CA4-0000-R77-000-1	N/A	D/E DB25/DB-37 AI Switch to Modem	9pr/24awg TSD
CA6-0000-920-000-1	CA172	D/E Conklin 325 to AI Switch	8C/26awg STR
CA4-0000-33R-000-1	N/A	D/E DB25(M) to (F) Sync Modem Cable	10C/24awg TIW
CA4-0000-159-T00-1	N/A	PGTC Cable for PacBell	N/A
CA4-0000-A54-000-1	N/A	D/E RJ45 Cat5E	4pr/24awg

CHARLES INDUSTRIES

3192 STS SHELF



CSI Tech Part No.	CI Part No.	Description	Cable Type
CA2-0000-F03-000-1	N/A	Wescom 3192 STS Cable Kit (5)S/E w/Lug	1C/14awg
CA2-0000-T44-000-1	N/A	S/E (F) w/ 12" Ext. Drain 3192 SH. (28pr Used)	30pr/22awg 613C
CA4-0000-01R-000-1	N/A	D/E DB25(M) to (F)	9C/24awg
CA4-0000-102-TSD-1	003-2941-XXX	S/E (F) Tinned, Shielded, w/Drain	25pr/24awg TSD
CA4-0000-570-000-1	N/A	S/E (3)(F) DDL-301-SH.(L1,L2 prS) to MDF	36pr/24awg 269A
CA4-0000-581-000-1	003-2972-XX	S/E (F) Wescom 3192 STS	32pr/24awg TSD
CA4-0000-582-000-1	003-2975-XX	S/E (F) Wescom 3192 STS	25pr/24awg TSD
CA4-0000-583-000-1	003-2976-XX	D/E (F) Wescom 3192 STS	32pr/24awg TSD
CA4-0000-584-000-1	N/A	D/E (F) Cinch to 710-SD-1 Wescom 3192 STS	32pr/24awg TSD
CA4-0000-589-000-1	N/A	S/E (2) 710BD25 Wescom STS used w/ 3192-11 to DSX	32pr/24awg TSD
CA4-0000-605-TSD-1	N/A	D/E (M) to (F) Shielded Cable w/Drain	32pr/24awg TSD
CA4-0000-609-TSD-1	003-N/A-XXX	D/E (F) Tinned, Shielded, w/Drain	32pr/24awg TSD
CA4-0000-611-TSD-1	003-2972-XXX	S/E (F) Tinned, Shielded, w/Drain	32pr/24awg TSD
CA4-0000-612-TSD-1	003-2977-XXX	D/E (F) Tinned, Shielded, w/Drain, 64Pos to (2)710	32pr/24awg TSD
CA4-0000-B27-000-1	N/A	S/E (F) three DDL-301-SH.(L1-L4 prS) to MDF	72pr/24awg 267A
CA4-0000-D17-000-2	32CC024.5	D/E (F) DS1 Assembly 3192 SH., 24ft 6in	32pr/24awg TSD
CA4-0000-D19-000-1	N/A	D/E (F) 3192 DS1 w/ 13' Drains	32pr/24awg TSD
CA4-0000-D20-000-1	32CCXXX	D/E (F) w/(1) Ext. Drain & (1) on pin 32	32pr/24awg TSD
CA4-0000-D21-000-1	N/A	D/E (F) w/ 10" Ext. Drains w/ ring terminals	32pr/24awg TSD
CA4-0000-D24-000-2	N/A	D/E (F) DS1 Assembly 3192 SH., 24ft 6in	32pr/24awg TSD
CA4-0000-D29-000-1	N/A	D/E 90° (F) 3192 DS1 w/ 24" Ext. Drains	32pr/24awg TSD
CA4-0000-L25-000-1	N/A	D/E (2)710BD1-25 to 1-64 Pos.(M) Cinch STS	32pr/24awg TIW
CA4-0018-D20-000-2	32CC018	D/E (F) w/(1)Ext. Drain & (1) on pin 32, 18ft	32pr/24awg TSD
CA4-0025-D20-000-2	32CC025	D/E (F) w/(1)Ext. Drain & (1) on pin 32, 25ft	32pr/24awg TSD
CA6-0000-597-000-1	N/A	Wescom Dual Line to MDF	96pr/26awg
CA7-0000-K15-000-2	N/A	Repeater - Installation Set	
CA7-0000-P14-000-2	N/A	2 Pos. Plug #14 Power Harness	1C/14awg
CA7-0010-590-000-2	N/A	Front Access (8) Cable Set to DSX Panel, 10ft	32pr/24awg TSD
CA7-0020-590-000-2	N/A	Front Access (8) Cable Set to DSX Panel, 20ft	32pr/24awg TSD
CA7-0050-590-000-2	N/A	Front Access (8) Cable Set to DSX Panel, 50ft	32pr/24awg TSD

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

CISCO**ONS 15454 SONET Multiplexer**

CSI Tech Part No.	Description	Application
CA4-0000-E31-TSD-1	32pr/24awg ABAM TSD S/E Bail-Lock (M)	DS1
CA4-0012-31M-NEC-2	(2) 16pr/24awg S/E 64 Pos (M) to stub	NEC/DS1
CA1-0000-58Z-179-1	75 ohm RG-179 D/E Straight BNC to R/A SMB	DS3
JS-010SSxxxP	SM Simplex Jumper SC 3.0 to SC 3.0	Single-Mode Fiber
CA7-0000-K74-000-2	DS1, DS3 Interface Interconnect Kit 'A' Kit includes 26 Total Cables:	
	(2) CA4-0035-E31-TSD-1	DS1
	(24) CA1-0040-58Z-179-1	DS3
CA7-0000-K75-000-2*	DS1, DS3, Fiber Interface Interconnect Kit 'B' Kit includes 42 Total Cables:	
	(2) CA4-0035-E31-TSD-1	DS1
	(24) CA1-0040-58Z-179-1	DS3
	(16) FOM-0010-121-12A-1	Single-Mode Fiber
CA7-0000-K76-000-2*	DS1, DS3, Fiber Interface Interconnect Kit 'C' Kit includes 46 Total Cables:	
	(2) CA4-0035-E31-TSD-1	DS1
	(24) CA1-0040-58Z-179-1	DS3
	(20) FOM-0010-121-12A-1	Single-Mode Fiber
CA7-0000-K77-000-2*	DS1, DS3, Fiber Interface Interconnect Kit 'D' Kit includes 30 Total Cables:	
	(2) CA4-0035-E31-TSD-1	DS1
	(24) CA1-0040-58Z-179-1	DS3
	(4) FOM-0010-121-12A-1	Single-Mode Fiber

CISCO (SPECIALTY CABLES)**EQUIVALENT CUSTOM CABLE ASSEMBLIES**

CSI Tech Part No.	CISCO Part No.	CISCO CAB No.	Application
TSI-CAB-232FC	72-0794-01	CAB-232FC	7000, 4000, 3600, 2500, 1600
TSI-CAB-232MT	72-0793-01	CAB-232MT	7000, 4000, 3600, 2500, 1600
TSI-CAB-449FC	72-0796-01	CAB-449FC	7000, 4000, 3600, 2500, 1600
TSI-CAB-449MT	72-0795-01	CAB-449MT	7000, 4000, 3600, 2500, 1600
TSI-CAB-530FC	72-0798-01	CAB-530FC	7000, 4000, 3600, 2500, 1600
TSI-CAB-530MT	72-0797-01	CAB-530MT	7000, 4000, 3600, 2500, 1600
TSI-CAB-E1-BNC	72-0818-01	CAB-E1-BNC	7000, 4000
TSI-CAB-HNUL	72-0727-02	CAB-HNUL	7000, 4000, AGS+
TSI-CAB-HSI1	72-0710-01	CAB-HSI1	7000, 4000, AGS+
TSI-CAB-OCTAL-ASYNC	72-0845-01	CAB-OCTAL-ASYNC	2509-2512
TSI-CAB-OCTAL-FDTE1	69-0024-01	CAB-OCTAL-FDTE*	2509-2512
TSI-CAB-OCTAL-KIT1	69-0023-01	CAB-OCTAL-KIT*	2509-2512
TSI-CAB-OCT-V35-MT	72-1102-01	CAB-OCT-V35-MT	7000, 4000
TSI-CAB-OCT-X21-MT	72-1100-01	CAB-OCT-X21-MT	7000, 4000
TSI-CAB-T3-E3-Y	72-1345-03	CAB-T3-E3-Y	8400, 8600, 8220
TSI-CAB-V35FC	72-0792-01	CAB-V35FC	7000, 4000, 3600, 2500, 1600
TSI-CAB-V35FT	72-0801-01	CAB-V35FT	7000, 4000, 3600, 2500, 1600
TSI-CABV35MC	72-0802-02	CABV35MC	7000, 4000, 3600, 2500, 1600
TSI-CAB-V35MT	72-0791-01	CAB-V35MT	7000, 4000, 3600, 2500, 1600
TSI-CAB-X21FC	72-0790-01	CAB-X21FC	2000-7000
TSI-CAB-X21MT	72-0789-01	CAB-X21MT	2000-7000
TSI-CAB-2V35FC	72-1356-01	CAB-2V35FC	8400, 8600, 8220
TSI-CAB-2V35MT	72-1354-01	CAB-2V35MT	8400, 8600, 8220
TSI-CAB-2X21FC	72-1357-01	CAB-2X21FC	8400, 8600, 8220
TSI-CAB-2X21MT	72-1355-01	CAB-2X21MT	8400, 8600, 8220

*Note: Does not include CAB-OCTAL-ASYNC cable. Requires separate order.

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

CISCO

ONS 15310-MA/84 Port SH

CSI Tech Part No.	Description	Application	Cable Type
CA4-0000-35T-TSD-1	S/E 64 pos (M) w/ext drain, set of 2	DS1 in/out	28pr/24awg (TSD)
CA4-0000-51N-TSD-1	S/E DB37 (M) 180 deg Hood	Alarm Input	25pr/24awg (TSD)
CA4-0000-52N-TSD-1	S/E DB25 (M) 180 deg Hood	Alarm output	12pr/24awg (TSD)
CA4-0000-53N-TSD-1	S/E DB9 (M) 180 deg Hood	Bits Timing	2pr/24awg (TSD)

CORNING / SIECOR

ADSL SPLITTER SHELF

CSI Tech Part No.	Description	Cable Type
CA4-0000-B54-000-1	50 Pos. 180° Screwlock (M) S/E, Cat3	25pr/24awg Copper
CA4-0000-331-T00-1	50 Pos. 180° Screwlock (M) S/E	25pr/24awg TIW
CA4-0000-C21-000-1	50 Pos. 180° Screwlock Rev. (M) S/E	25pr/24awg TIW
CA4-0000-B50-TSD-1	50 Pos. 180° ScrewLock (M) S/E	25pr/24awg TSD
CA4-0000-B08-REV-1	50 Pos. 90° ScrewLock Rev. (M) S/E	25pr/24awg TSD
CA4-0000-B51-TSD-1	50 Pos. 90° ScrewLock Rev. (M) S/E, T1	25pr/24awg TSD
CA4-0000-29J-TSD-1	50 Pos. 90° ScrewLock (M) S/E (EVEN SH.), Set of 3	100pr/24awg TSD
CA4-0000-19J-TSD-1	50 Pos. 90° ScrewLock (M)(M) S/E (EVEN SH.)	100pr/24awg TSD
CA4-0000-28J-TSD-1	50 Pos. 90° ScrewLock (M) S/E (ODD SH.), Set of 3	100pr/24awg TSD
CA4-0000-18J-TSD-1	50 Pos. 90° ScrewLock (M) S/E (ODD SH.)	100pr/24awg TSD

SPECIALTY (T568A)

CSI Tech Part No.	Description	Cable Type
CA4-0000-71A-000-1	S/E (6) RJ45 to stub, CAT 5E	25pr/24awg



EDGE LINK

CSI Tech Part No.	Description	Cable Type
CA2-0000-D48-000-1	S/E 64 Pos.(M) w/12" ext drain, 90° 2pc hood to STUB, Edgelink100, IN	30pr/22awg 613C
CA2-0000-D49-000-1	S/E 64 Pos.(M) Rev. w/12" ext drain, 90° 2pc hood, Edgelink 100, OUT	30pr/22awg 613C
CA4-0000-D38-REV-1	S/E 64 Pos.(M) Rev. w/12" ext drain, 90° 2pc hood to STUB, Edgelink 100 DS1 Cable	32pr/24awg T-1
CA4-0000-27D-DS1-1	Set of 2 CA-1: D/E 64 Pos.(M) to (F) w/12" ext drain CA-2: D/E 64 Pos.(M) Rev. to (F) w/12" ext drain, 90° 2pc hood	28pr/24awg T-1
CA2-0000-T81-000-1	64 Pos.(M) to 64 Pos.(F) DS1/T1 Extn. Cable, IN	30pr/22awg 613C
CA2-0000-T80-000-1	64 Pos.(M) to 64 Pos.(F) DS1/T1 Extn. Cable, OUT	30pr/22awg 613C
CA2-0000-31D-000-1	Set of 2, IN/OUT CA-1: S/E 64 Pos.(M) w/12" ext drain CA-2: S/E 64 Pos.(M) Rev. w/12" ext drain, 90° 2pc hoods	30pr/22awg 613C
CA2-0000-T79-000-1	S/E 64 Pos.(M) to STUB Alcatel DEXCS/Edgelink 100 Extn. Cable, DS1 T1, IN	30pr/22awg 613C
CA2-0000-T78-000-1	S/E 64 Pos.(M) to STUB Alcatel DEXCS/Edgelink 100 Extn. Cable, DS1 T1, OUT	30pr/22awg 613C
CA4-0000-51K-000-1	(1) S/E 64 Pos.(M) w/90° 2pc hood and (1) S/E 64 Pos.(M) Rev. w/12" ext. drain, 90° 2pc hood to STUB, Edgelink 100 DS1 Cable	32pr/24awg T-1
CA4-0000-D37-000-1	S/E 64 Pos.(M) w/12" ext drain, 90° 2pc hood to STUB, Edgelink 100 DS1 Cable	32pr/24awg T-1
CA4-0000-0D6-TSD-1	D/E 64 Pos (M) 180 to (F) 180 w/12 in ext drain, Edge Link Hub	32pr/24awg
CA4-0000-1A3-000-1	Dual Indiv. SHLD. D/E DB9(M),180°, to 8 Pos. RJ45	4pr/24awg

ELUMINANT

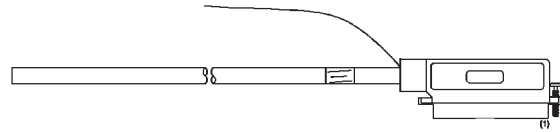
CSI Tech Part No.	Description	Cable Type
CA7-0000-K37-000-2	Cable Set: NEC Eluminant DACS, Set of 11	Custom

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

EMERSON NETWORK POWER / MARCONI

DISC-S



CSI Tech Part No.	Description	Cable Type
CA2-0000-351-000-1	DS1 Shelf (J501) w/"F" connector	16pr/22awg 608C
CA2-0000-352-000-1	DS1 Shelf (J502) w/"F" connector	12pr/22awg 607C
CA2-0000-353-000-1	DS1 Shelf (J503) w/"F" connector	16pr/22awg 608C
CA2-0000-354-000-1	DS1 Shelf (J504) w/"F" connector	12pr/22awg 607C
CA2-0000-355-000-1	DISC-S DS-1 RDT 3/M part# 1561-03-16	16pr/22awg 608C
CA2-0000-356-000-1	DISC-S DS-1 RDT 3/M part# 1561-03-17	12pr/22awg 607C
CA2-0000-423-000-1	DS1 Shelf (J503) w/710 connector	16pr/22awg 608C
CA2-0000-424-000-1	DS1 Shelf (J504) w/710 connector	12pr/22awg 607C
CA2-0000-431-000-1	DS1 Shelf (J501) w/710 connector	16pr/22awg 608C
CA2-0000-432-000-1	DS1 Shelf (J502) w/710 connector	12pr/22awg 607C
CA2-0000-434-000-1	DS1 Shelf J501-504 S/E (F) 50 Pos. (Set 4)	12pr/16pr/22awg
CA4-0000-343-000-1	DISC-S VF Cable S/E (F) 90°	100pr/24awg
CA4-0000-348-000-1	DISC-S VF Cable D/E (F) 90°	100pr/24awg
CA4-0000-349-000-1	DISC-S VF Cable w/(4) 710 connector	100pr/24awg
CA4-0000-353-000-1	DISC-S VF Cable w/(4) 50 Pos.	100pr/24awg
CA4-0000-358-000-1	Range Extender Cable D/E (F)	100pr/24awg
CA4-0000-359-000-1	Range Extender Cable D/E (F)	50pr/24awg
CA6-0000-363-000-1	DISC-S VF Cable (w/(4) 50 Pos.(F) connector	96pr/26awg
CA2-0000-235-000-1	GDC Modem to DISC-S	2pr/22awg
CA2-0000-236-000-1	DISC-S/RS-232 to GDC EIA	6pr/22awg
CA2-0000-348-000-1	S/E (2) 710 Connectors to Stub DS1(J-501 & J-502)	32pr/22awg
CA2-0000-349-000-1	S/E (2) 710 Connectors to Stub DS1(J-503 & J-504)	32pr/22awg
CA2-0000-568-000-1	D/E Connectors DISC-S DS1 EXT Cable	16pr/22awg 608C
CA2-0000-569-000-1	D/E Connectors DISC-S DS1 EXT Cable	12pr/22awg 607C
CA4-0000-14R-000-1	D/E DB25 (M) to (F) DISC-S to AI Switch	10C/24awg TSD
CA4-0000-433-000-1	S/E (F) (SET of 7) VF Cables DISC-S	100pr/24awg
CA4-0000-563-000-1	(F)/(F)/(M) "Y" DISC-S (E+M)	25pr/24awg TIW
CA4-0000-613-TSD-1	S/E (F) (2) Split	32pr/24awg TSD
CA4-0000-643-000-1	D/E (4)-710BD25 To 4(F) DISC-S VF	100pr/24awg
CA4-0000-C29-000-1	S/E (2)-(F) J101/105 & J102/106 VF	50pr/24awg
CA4-0000-C30-000-1	S/E (2)-(F) J103/107 & J104/108 VF	50pr/24awg
CA4-0000-L05-000-1	S/E (2)-710BD w/ 40" External Drain	32pr/24awg TSD
CA4-0000-L06-000-1	S/E 710-SD Splice, Reliance Comtec DS1	25pr/24awg TSD
CA4-0000-L08-000-1	S/E (2) 710-BD1-5 Ref #PRO662	8pr/24awg
CA6-0000-J46-000-1	D/E Connector DISC-S VF	96pr/26awg
CA6-0000-J47-000-1	S/E (4)(F) DISC-S VF Harness	96pr/26awg
CA6-0000-J48-000-1	D/E (F) DISC-S VF Harness	96pr/26awg
CA6-0000-J49-000-1	S/E (4) 710BD1-25 DISC-S VF	96pr/26awg
CA6-0000-J50-000-1	S/E (4) Connectors DISC-S VF	96pr/26awg
CA6-0000-L01-000-1	D/E Connectors DISC-S VF	100pr/26awg
CA6-6400-T17-000-2	D/E (2) Connectors to (7)-963T-8 #45-508-36/37, Set of 2, 103"-104"	28pr/26awg
CA6-6400-T18-000-2	D/E (2) 710SD1 to (7)-963T-8 #45-308-77/78, Set of 2, 103"-104"	28pr/26awg
CA6-6400-T29-000-2	D/E (4) Connectors to (7)-963T-16 #45-508-74/75, Set of 2, 103"	28pr/26awg
CA6-6400-T30-000-2	D/E (2) 710BD1 to (7)-963T-16 #45-308-75/76, Set of 2, 103"	28pr/26awg
CA7-0000-K21-000-1	Kit of: (7) CA4-0000-343-000-1 (1ea) CA2-0000-351-000-1 thru CA2-0000-354-000-1	Custom
CA7-0000-K22-000-1	Kit of: (7) CA4-0000-349-000-1 (1) CA2-0000-431-000-1 (1) CA2-0000-432-000-1 (1) CA2-0000-423-000-1 (1) CA2-0000-424-000-1	Custom

FUJITSU

FLM 50/150 ADM

CSI Tech Part No.	FUJITSU Part No.	Description	Cable Type
CA4-0000-298-000-1	N/A	CN 26 / OSS2	2pr/24awg
CA4-0000-288-000-1	N/A	CN 22 / OW (T & R)	1pr/24awg
CA1-0000-Y41-734-1	21-311-XXX	CN 7-16 / STS-1	1C/734D
CA1-0000-X30-735-1	21-391-XXX	CN 7-16 / STS-1	1C/735A
CA4-0000-282-000-1	21-532-XXX	Gen Use DB25(M) to (M)	25pr/24awg TSD
CA4-0000-390-000-1	21-537-XXX	CN 21 / HK2	25pr/24awg TSD
CA2-0000-273-000-1	21-601-XXX	CN 15 / External Clock (S)	2pr/22awg TSD
CA2-0000-273-000-1	21-601-XXX	CN 17 / External Clock (P)	2pr/22awg TSD
CA2-0000-399-000-1	21-822-XXX	CN 1-6 / DS1	30pr/22awg 613C
CA6-0000-376-000-1	21-864-XXX	CN 1-6 / DS1	28pr/26awg 1249
CA4-0000-281-000-1	22-533-XXX	CN 24 / OHA	25pr/24awg TSD
CA4-0000-281-000-1	22-533-XXX	CN 9 / OSS1	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	CN 20 / Alarm	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	CN 21 / HK1	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	OW E2A1	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	E2A2	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	Modem Cable	25pr/24awg TSD
CA4-0000-280-DE0-1	22-605-XXX	Gen Use DB25(M) to (M)	12pr/24awg TSD
CA2-0000-396-000-1	22-822-XXX	CN 1-6 / DS1	30pr/22awg 613C
CA2-0000-399-000-1	N/A...use 21-822-XXX		
CA6-0000-276-000-1	22-864-XXX	CN 1-6 / DS1	32pr/26awg 1249
CA2-0000-376-000-1	N/A...use 21-864-XXX		

FUJITSU

FLM 600 ADM



CSI Tech Part No.	FUJITSU Part No.	Description	Cable Type
CA4-0000-298-000-1	N/A	CN 13 / OSS2	2pr/24awg
CA1-0000-Y50-735-1	N/A	CN 14-37 (or) 26-37	12C/735A
CA4-0000-393-000-1	21-186-XXX	CN 6-7 / Multiple	12pr/24awg TSD
CA1-0000-Y41-734-1	21-311-XXX	CN 14-37 / STS-1	1C/734D
CA1-0000-Y83-735-1	21-313-XXX	CN 14-37 / STS-1	3C/735A
CA1-0000-Y52-735-1	21-316-XXX	CN 14-37 / STS-1	6C/735A
CA1-0000-X30-735-1	21-391-XXX	CN 14-37 / STS-1	1C/735A
CA1-0000-Y84-735-1	21-393-XXX	CN 14-37 / STS-1	3C/735A
CA1-0000-Y55-735-1	21-396-XXX	CN 14-37 / STS-1	6C/735A
CA4-0000-282-000-1	21-532-XXX	CN 9 / INF	25pr/24awg TSD
CA4-0000-282-000-1	21-532-XXX	Gen Use DB-37 M-M	25pr/24awg TSD
CA4-0000-390-000-1	21-537-XXX	CN 5 / HK 2	25pr/24awg TSD
CA4-0000-392-000-1	21-539-XXX	CN 2 / OHA1	12pr/24awg TSD
CA2-0000-273-000-1	21-601-XXX	CN 11 / External Clock (P)	2pr/22awg TSD
CA2-0000-273-000-1	21-601-XXX	CN 12 / External Clock (S)	2pr/22awg TSD
CA4-0000-281-000-1	22-533-XXX	CN 1 / OSS1	25pr/24awg TSD
CA4-0000-281-000-1	22-533-XXX	CN 3 / OHA2	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	CN 4 / HK1	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	CN 6 / E2A1	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	CN 7 / E2A2	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	CN 8 / Alarm	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	CN 10 / Modem	25pr/24awg TSD
CA4-0000-280-DE0-1	22-605-XXX	Gen Use DB25 M-M	25pr/24awg TSD

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

FUJITSU

FLM 2400 ADM



CSI Tech Part No.	FUJITSU Part No.	Description	Cable Type
CA4-0000-387-000-1	N/A	CN 3 / SV1	4pr/24awg TSD
CA4-0000-387-000-1	N/A	CN 4 / SV2	4pr/24awg TSD
CA4-0000-298-000-1	N/A	CN 5 / OSS2	2pr/24awg TSD
CA4-0000-389-000-1	21-541-XXX	CN 6 / SYNC1	4pr/24awg TSD
CA4-0000-389-000-1	21-541-XXX	CN 7 / SYNC2	4pr/24awg TSD
CA4-0000-391-000-1	21-185-XXX	CN 18 / OW-E2A1	12pr/24awg TSD
CA4-0000-391-000-1	21-185-XXX	CN 19 / Int Link -1	12pr/24awg TSD
CA4-0000-391-000-1	21-185-XXX	CN 20 / OW E2A2	12pr/24awg TSD
CA4-0000-282-000-1	21-532-XXX	Gen Use DB37(M) to (M)	25pr/24awg TSD
CA4-0000-390-000-1	21-537-XXX	CN 11 / HK2	25pr/24awg TSD
CA4-0000-392-000-1	21-539-XXX	CN 25 / OHA1	12pr/24awg TSD
CA4-0000-388-000-1	21-626-XXX	CN 12 / HK1	12pr/24awg TSD
CA4-0000-281-000-1	22-533-XXX	CN 9 / OSS1	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	CN 8 / Modem	25pr/24awg TSD
CA4-0000-280-000-1	22-605-XXX	CN 10 / Alarm	25pr/24awg TSD
CA4-0000-280-DE0-1	22-605-XXX	Gen Use DB25(M) to (M)	25pr/24awg TSD

FUJITSU

FLM TRIB SHELF

CSI Tech Part No.	FUJITSU Part No.	Description	Cable Type
CA4-0000-389-000-1	N/A	CN 49 / DS1 Out (P)	4pr/24awg TSD
CA4-0000-389-000-1	N/A	CN 50 / DS1 Out (S)	4pr/24awg TSD
CA4-0000-391-000-1	21-185-XXX	CN 52 / E2A1	12pr/24awg TSD
CA4-0000-391-000-1	21-185-XXX	CN 53 / E2A2	12pr/24awg TSD
CA1-0000-Y99-735-1	21-390-XXX	CN 1 - CN48 A/R	12C/735A
CA4-0000-394-000-1	21-418-XXX	2400 HS/Trib Int	37C/28awg
CA4-0000-282-000-1	21-532-XXX	Gen Use DB37(M) to (M)	25pr/24awg TSD
CA4-0000-482-000-1	21-542-XXX	Int Link	25pr/24awg TSD
CA4-0000-483-000-1	21-543-XXX	Int Link	9pr/24awg TSD
CA4-0000-484-000-1	21-544-XXX	SW / SVC	9pr/24awg TSD
CA4-0000-280-DE0-1	22-605-XXX	Gen Use DB25(M) to (M)	25pr/24awg TSD

FUJITSU

FDLC

CSI Tech Part No.	FUJITSU Part No.	Description	Cable Type
CA4-0000-381-000-1	21-871-XXX	E & M Cable	100pr/24awg TIW
CA4-0000-382-000-1	21-881-XXX	VF Cable	100pr/24awg TIW
CA4-0000-383-000-1	21-882-XXX	Single E & M	25pr/24awg TIW
CA4-0000-384-000-1	21-885-XXX	Level Converter	4pr/24awg TSD
CA2-0000-277-000-1	21-886-XXX	T1's / 710	6pr/22awg 606C
CA4-0000-278-000-1	21-888-XXX	SD DC TST PRS / 710	4pr/24awg TIW
CA4-0000-385-000-1	21-890-XXX	VF Cable / 710	25pr/24awg TIW
CA4-0000-386-000-1	22-884-XXX	VF Cable / 710	100pr/24awg TIW

FUJITSU

LUCENT 80/90 TYPE CABINETS/APPLICATIONS

CSI Tech Part No.	FUJITSU Part No.	Description
CA7-0000-700-000-2	22-450-XXX	Lucent 80 / 90 Type Cabinet, Set of 9
Set consists of the cables listed below:		
CA7-0002-708-000-2	21-027-002	Power to 80/90 Cabinet, 2ft, Qty (1)
CA6-0004-453-000-2	21-028-004	150 ADM to 80/90 Cabinet, 4ft, Qty (6)
CA7-0002-709-000-2	21-029-000	Power, ADM to 80/90 Cabinet, 2ft, Qty (1)
CA4-0010-280-000-1	22-605-000	ALM on FLM 50/150, 10ft, Qty (1)

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

FUJITSU
FLM OPTIONAL USE CABLES

CSI Tech Part No.	FUJITSU Part No.	Description	Cable Type
CA4-0000-294-000-1	21-153-XXX	ADM to AI Switch	9pr/24awg TSD
CA2-0000-273-000-1	21-601-XXX	150/600/2400 External Clock	2pr/22awg TSD
CA2-0000-279-000-1	21-603-XXX	50/150 External Clock	2pr/22awg TSD
CA2-0000-291-000-1	21-608-XXX	150 External Clock	1pr/22awg TSD
CA4-0000-292-000-1	21-609-XXX	TBOS Daisy Chain	12pr/24awg TSD
CA2-0000-274-000-1	21-614-XXX	50/150 PRI Clock	1pr/22awg TSD
CA4-0000-271-000-1	21-619-XXX	Alarm Daisy Chain	12pr/24awg TIW
CA4-0000-285-000-1	21-621-XXX	Clock Daisy Chain	4pr/24awg TSD
CA4-0000-299-000-1	21-623-XXX	Alarm Daisy Chain	12pr/24awg TIW
CA2-0000-272-000-1	21-624-XXX	150/600 CLK Daisy Chain	1pr/22awg TSD
CA4-0000-290-000-1	21-729-XXX	Alarm / Gen use.	25pr/24awg TSD
CA2-0000-399-000-1	21-822-XXX	50/150 DS1 Cable	30pr/22awg 613C
CA4-0002-166-000-1	21-339-002	Alarm Multiple ADM, 26"	12pr/24awg TSD
CA4-0000-289-000-1	21-102-XXX	TBOS Alarm Cable	12pr/24awg TSD
CA4-0000-284-000-1	22-532-XXX	150/600 Gen Use	25pr/24awg TSD
CA4-0000-286-000-1	22-610-XXX	ADM Gen Use	12.5pr/24awg
CA2-0000-396-000-1	22-822-XXX	ADM DS1 Cable	30pr/22awg 613C
CA2-0000-399-000-1	N/A use #21-822-XXX	50/150 DS1 Cable	
CA6-0025-398-000-2	22-250-025	50/150 Cable Set, 25	DS1//ALM
CA2-0000-497-000-1	22-515-XXX	Universal Power Cable	14awg Strd Wire
CA4-0000-397-000-1	29-603-XXX	50/150 Dantel Modem	4pr/24awg TSD
CA4-0005-287-000-2	29-606-005	600 LTE Clock Multiple, 5	4pr/24awg TSD
CA4-0000-167-000-1	21-147-XXX	FLM ADM to Modem	9pr/24awg
CA4-0001-168-700-1	21-338-700	ALM Mult HS & Fan, 16"	12 & 2pr/24awg
CA4-0000-394-000-1	21-418-XXX	2400 HS/TRIB INT	37C/28awg
CA4-0006-169-000-1	21-452-006	Alarm Mult F & A, 6	12pr/24awg TSD
CA2-0000-274-000-1	21-614-XXX	FLM 150/600/2400 External Clock P	1pr/22awg SHLD
CA2-0000-386-000-1	21-615-XXX	FLM 150/600/2400 EX CLK S	1pr/22awg SHLD
CA6-0000-376-000-1	21-864-XXX	FLM 50/150 DS1	28pr/26awg 1249
CA6-0000-276-000-1	22-864-XXX	FLM 50/150 DS1	28pr/26awg 1249
CA6-0000-376-000-1	N/A use #21-864-XXX	FLM 50/150 DS1	

FUJITSU
SPECIALTY CABLES

CSI Tech Part No.	Description	Cable Type
CA1-0000-S08-735-1	FLM 2400 TRIB DS3 In/Out CN 1-24, Set 4	12C/735A
CA1-0000-S10-735-1	FLM 2400 TRIB DS3 In/Out CN 1-24, Set 8	6C/735A
CA1-0000-S12-735-1	FLM 600 ADM DS3 In/Out CN 14-37, Set 4	6C/735A
CA1-0000-S14-735-1	FLM 600 ADM DS3 In/Out CN 14-37, Set 2	12C/735A
CA1-0000-Y50-735-1	FLM 600 STS-1	12C/735A
CA2-0000-175-000-1	FLM External Clock Cable, Red	P7/22awg
CA2-0000-200-CLK-1	TSD Special Clock Cable, Set 2	1pr/22awg
CA2-0000-297-000-1	50/150 Clock Cable	P7/22awg
CA2-0000-642-000-1	FLM 150 (DS1) to Alcatel 1631 DACS	30pr/22awg
CA4-0000-173-000-1	FLM External Clock cable, Set 2	P7/24awg
CA4-0000-288-000-1	FLM-150 (OW & TR) P24 CN12 S/E	P7/24awg
CA4-0000-295-000-1	AI Switch to Modem	9pr/24awg
CA4-0000-296-000-1	S/E DB37 (CN9) w/DB25 (Modem)	12pr/24awg
CA4-0000-298-000-1	TSD 150/600/2400 OSS2	2pr/24awg
CA4-0000-387-000-1	TSD 2400 SV1 / SV2	4pr/24awg
CA4-0000-389-000-1	TSD 2400 External Clock	4pr/24awg
CA6-0000-452-000-1	DS1 Telect or ADC DSX - D/E (M)	28pr/26awg 1249
CA4-0000-F01-000-1	50/150 DS1 Cable (24awg version of 21-822-XXX)	32pr/24awg

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

FUJITSU

FLASHWAVE 4100

CSI Tech Part No.	FUJITSU Part No.	Description
CA4-0000-280-000-1	22-605-XXX	FLASH150 ADX Office ALM, CN1 (OA OP)
Custom	21-618-XXX	FLASH150 ADX Ext. Monitor Clock, SEC CN3
CA2-0000-274-000-1	21-614-XXX	Primary Clock Input, CN4 (PRI BITS)
Custom	21-617-XXX	FLASH150 ADX Ext. Monitor Clock, PRI CN4
CA4-0000-388-000-1	21-626-XXX	FLASH150 ADX Housekeeping ALM, CN6 (HK IN)
CA4-0000-388-000-1	21-626-XXX	FLASH150 ADX Housekeeping ALM, CN6 (HK OP)
CA4-0000-280-000-1	22-605-XXX	FLASH150 to OSSI (DCN) Interface, CN9 (OSSI DCN)
Custom	22-893-XXX	FLASH150 Interface CN11 to Modem CN11
CA6-0000-376-000-1	21-864-XXX	FLASH150 ADX DS1, CN13 - CN18 (In/Out)
Custom	21-39X-YYY	FLASH150 DS3 / STS-1 Bulk 735
Custom	21-391-YYY	1C 735 Bulk
Custom	21-393-YYY	3C 735 Bulk
Custom	21-396-YYY	6C 735 Bulk
Custom	21-390-YYY	12C 735 Bulk
CA2-0000-497-000-1	22-515-XXX	FLASH150 Power Assembly

Items labeled as N/A require assembly/specification information.

FUJITSU

FLASHWAVE 4300

CSI Tech Part No.	FUJITSU Part No.	Description
Custom	21-618-XXX	FLASH150 ADX Ext. Monitor Clock, SEC. CN3
Custom	21-617-XXX	FLASH150 ADX Ext. Monitor Clock, PRI CN4
CA4-0000-33D-DS1-1	21-440-XXX	FLASH600 DS1 Cable 28/24 T-1 64P (M) to stub (set of 2, cable 1)
CA4-0000-33D-DS1-1	21-441-XXX	FLASH600 DS1 Cable 28/24 T-1 64P (M) to stub (set of 2, cable 2)
CA4-0000-388-000-1	21-626-XXX	FLASH150 ADX Housekeeping ALM, CN10 (HK 1)
CA4-0000-166-000-1	21-339-XXX	FLASH600 ADX A/V ALM, CN11 (ALM), STG 1-3
CA4-0000-280-000-1	22-605-XXX	FLASH600 ADX A/V ALM CN11 (ALM) C.O.
Custom	21-337-XXX	FLASH600 A/V. Mult. ALM CAN,B,C,D,E,F
CA4-0000-169-000-1	21-452-XXX	Circuit Breaker Panel A/V ALM
Custom	21-351-XXX	FLASH600 Frame Ground
Custom	22-519-XXX	FLASH600 Power from Circuit Breaker (2)

Items labeled as N/A require assembly/specification information.

FUJITSU

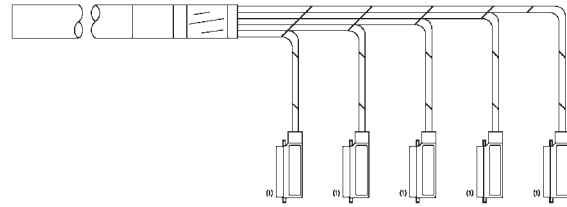
FLASHWAVE 4500

CSI Tech Part No.	FUJITSU Part No.	Description
CA4-0000-53A-131-1	N/A	OSN Connection, 4pr/24awg, Cat5E UTP RJ45 to RJ45, straight through
CA4-0000-59A-131-1	N/A	OSN Connection, 4pr/24awg, Cat5E UTP RJ45 to RJ45, cross-over
CA4-0000-D28-DS1-1	N/A	DS1 Cables, TX/RX, 28pr/24awg T-1 64 Pos.(M) to STUB, Set of 2
CA2-0000-F24-DS1-1	N/A	DS1 Cables, TX/RX, 30pr/22awg 613C 64 Pos.(M) to STUB, Set of 2
CA2-0000-F25-DS1-1	N/A	DS1 Cable (Rx Standard, Tx Rev Entry) 30/22 T-1 613C 64P(F-Slot M) to Stub w/ext drain
CA1-0000-36W-734-1	N/A	DS3 8C 734 R/A BNC to STUB, Set of 2, Left Feed*
CA1-0000-37W-734-1	N/A	DS3 8C 734 R/A BNC to STUB, Set of 2, Right Feed*
CA1-0000-Y93-735-1	N/A	DS3 735, 8C 735 R/A BNC to STUB, Set of 2, Left Feed*
CA1-0000-Y94-735-1	N/A	DS3 8C 735 R/A BNC to STUB, Set of 2, Right Feed*
FOF-0000-661-12C-1	N/A	Fiber Optic Single-Mode, LC to SC, 1.6mm
FOF-0000-121-12C-1	N/A	Fiber Optic Single-Mode, SC Tto SC, 1.6mm

* Set of 2 cables will cable TX and RX circuits 1 through 8 for IFA slots 12, 13, 14, 15 16 or 17

LUCENT

SMAS 5 ED - 1P465-20



Group #	CSI Tech Part No.	Description	Cable Type
1	CA4-0000-957-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
2	CA4-0000-958-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
3	CA4-0000-959-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
4	CA4-0000-960-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
5	CA4-0000-961-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
6	CA4-0000-962-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
10	CA4-0000-895-000-1	(5) 50 Pos. B/L (F)	125pr/24awg
11	CA4-0000-897-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
12	CA4-0000-898-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
13	CA4-0000-899-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
24	CA4-0003-877-000-2	D/E 50 Pos. B/L (M) to (F), 26"	25pr/24awg
25	CA4-0000-878-000-1	Piggy Back to (M) 90°	25pr/24awg
26	CA4-0000-856-000-1	Piggyback - (M) to (F), 180° B/L	25pr/24awg
27	CA4-0000-855-000-1	D/E (M) to (F) Piggyback	25pr/24awg
28	CA4-0000-879-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
29	CA4-0000-880-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
30	CA4-0000-881-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
31	CA4-0000-882-000-1	(5) 50 Pos. B/L (M)	125pr/24awg
32	CA4-0000-857-000-1	Equipped w/ (3) Plugs B/L (M)	75pr/24awg
33	CA4-0000-883-000-1	Equipped w/ (2) Plugs B/L (M)	50pr/24awg
34	CA4-0000-884-000-1	Equipped w/ (4) Plugs B/L (M)	100pr/24awg
35	CA4-0000-885-000-1	Equipped w/ (3) Plugs B/L (M)	75pr/24awg
36	CA4-0000-886-000-1	Equipped w/ (2) Plugs B/L (M)	50pr/24awg
37	CA4-0000-887-000-1	Equipped w/ (4) Plugs B/L (M)	100pr/24awg
38	CA4-0000-888-000-1	Equipped w/ (3) Plugs B/L (M)	75pr/24awg
39	CA4-0000-889-000-1	Equipped w/ (2) Plugs B/L (M)	50pr/24awg
40	CA4-0000-890-000-1	Equipped w/ (4) Plugs B/L (M)	100pr/24awg
41	CA4-0000-891-000-1	Equipped w/ (3) Plugs B/L (M)	75pr/24awg
42	CA4-0000-892-000-1	Equipped w/ (2) Plugs B/L (M)	50pr/24awg
43	CA4-0000-893-000-1	Equipped w/ (4) Plugs B/L (M)	100pr/24awg
44	CA4-0000-976-000-1	Equipped w/ (2) 180° (M)	50pr/24awg
45	CA4-0000-953-000-1	Equipped w/ (3) 180° (M)	75pr/24awg
46	CA4-0000-896-000-1	Equipped w/ (4) 180° (M)	100pr/24awg
47	CA4-0000-901-000-1	Equipped w/ (5) 180° (M)	125pr/24awg
48	CA4-0000-977-000-1	Equipped w/ (2) 180° (M)	50pr/24awg
49	CA4-0000-954-000-1	Equipped w/ (3) 180° (M)	75pr/24awg
50	CA4-0000-900-000-1	Equipped w/ (4) 180° (M)	100pr/24awg
51	CA4-0000-902-000-1	Equipped w/ (5) 180° (M)	25pr/24awg
58	CA4-0000-955-000-1	D/E 180° B/L (M) to 90° (M) Rev.	25pr/24awg
59	CA4-0000-G31-000-1	D/E 180° B/L (M) to (M) Rev.	25pr/24awg
62	CA4-0000-956-000-1	S/E 180° (M), 24 Pos.	12pr/24awg

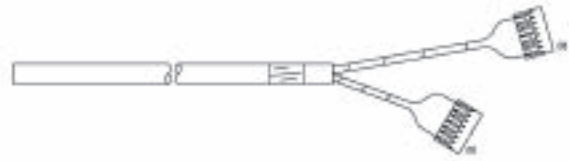
(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT

DDM-1000 MULTIPLEXER

ED 2C833-20



Group #	CSI Tech Part No.	Description	Cable Type
3	CA6-0133-765-000-1	Overhead - Input/Output, 133ft	16pr/26awg 807A
4	CA6-0133-766-000-1	Parallel - 1st DDM-1000, 133ft	16pr/26awg 807A
6	CA6-0133-768-000-1	Office Alarm - 1st DDM-1000	8pr/26awg
8	CA6-0133-770-000-1	Serial & Multi Shelf Bus, 133ft	4pr/26awg 812A
17	CA4-0004-775-000-2	180 Mb/s Application, 4ft	24pr/24awg 266A
22	CA2-0133-776-000-1	Muldem A to DSX1,1C or 2C, Set 4, 133ft	16 & 12pr/608C & 607C
23	CA2-0133-777-000-1	Muldem B to DSX1,1C or 2C, Set 4, 133ft	16 & 12pr/608C & 607C
221	CA2-0266-776-000-1	Muldem A to DSX1,1C or 2C, Set 4, 266ft	16 & 12pr/608C & 607C
222	CA2-0000-776-000-1	Muldem A to DSX1,1C or 2C, Set 4	16 & 12pr/608C & 607C
223	CA2-0075-776-000-1	Muldem A to DSX1,1C or 2C, Set 4, 75ft	16 & 12pr/608C & 607C
224	CA2-0000-776-000-1	Muldem A to DSX1,1C or 2C, Set 4	16 & 12pr/608C & 607C
231	CA2-0266-777-000-1	Muldem B to DSX1,1C or 2C, Set 4, 266ft	16 & 12pr/608C & 607C
232	CA2-0000-777-000-1	Muldem B to DSX1,1C or 2C, Set 4	16 & 12pr/608C & 607C
233	CA2-0075-777-000-1	Muldem B to DSX1,1C or 2C, Set 4, 75ft	16 & 12pr/608C & 607C
234	CA2-0000-777-000-1	Muldem B to DSX1,1C or 2C, Set 4	16 & 12pr/608C & 607C
301	CA6-0266-765-000-1	Overhead - Input/Output, 266ft	16pr/26awg 807A
302	CA6-0000-765-000-1	Overhead - Input/Output	16pr/26awg 807A
401	CA6-0266-766-000-1	Parallel - 1st DDM-1000, 266ft	16pr/26awg 807A
402	CA6-0000-766-000-1	Parallel - 1st DDM-1000	16pr/26awg 807A
601	CA6-0266-768-000-1	Office Alarm - 1st DDM-1000, 266ft	8pr/26awg
602	CA6-0000-768-000-1	Office Alarm - 1st DDM-1000	8pr/26awg
801	CA6-0266-770-000-1	Serial & Multi-Shelf Bus, 266ft	4pr/26awg
802	CA6-0000-770-000-1	Serial & Multi-Shelf Bus	4pr/26awg

**LUCENT
DACS II
ED 2C882-24**



1

Group #	CSI Tech Part No.	Description	Cable Type
33	CA2-0000-T40-033-1	S/E DACS II Digital CXR Right to Left GP 33	25pr/22awg 609C
34	CA2-0000-T41-034-1	S/E DACS II Digital CXR Right to Left GP 34	25pr/22awg 609C
35	CA2-0000-T42-035-1	S/E DACS II Digital CXR Right to Left GP 35	25pr/22awg 609C
36	CA2-0000-T43-036-1	S/E DACS II Digital CXR Right to Left GP 36	25pr/22awg 609C
37	CA2-0000-T40-037-1	S/E DACS II Digital CXR Right to Left GP 37	25pr/22awg 609C
38	CA2-0000-T41-038-1	S/E DACS II Digital CXR Right to Left GP 38	25pr/22awg 609C
39	CA2-0000-T42-039-1	S/E DACS II Digital CXR Right to Left GP 39	25pr/22awg 609C
40	CA2-0000-T43-040-1	S/E DACS II Digital CXR Right to Left GP 40	25pr/22awg 609C
41	CA2-0000-T40-041-1	S/E DACS II Digital CXR Right to Left GP 41	25pr/22awg 609C
42	CA2-0000-T41-042-1	S/E DACS II Digital CXR Right to Left GP 42	25pr/22awg 609C
43	CA2-0000-T42-043-1	S/E DACS II Digital CXR Right to Left GP 43	25pr/22awg 609C
44	CA2-0000-T43-044-1	S/E DACS II Digital CXR Right to Left GP 44	25pr/22awg 609C
45	CA2-0000-T40-045-1	S/E DACS II Digital CXR Right to Left GP 45	25pr/22awg 609C
46	CA2-0000-T41-046-1	S/E DACS II Digital CXR Right to Left GP 46	25pr/22awg 609C
47	CA2-0000-T42-047-1	S/E DACS II Digital CXR Right to Left GP 47	25pr/22awg 609C
48	CA2-0000-T43-048-1	S/E DACS II Digital CXR Right to Left GP 48	25pr/22awg 609C
49	CA6-0000-T75-049-1	S/E DACS II Digital CXR Right to Left GP 49	20pr/26awg 1249
50	CA6-0000-T75-050-1	S/E DACS II Digital CXR Right to Left GP 50	20pr/26awg 1249
51	CA6-0000-T76-051-1	S/E DACS II Digital CXR Right to Left GP 51	20pr/26awg 1249
52	CA6-0000-T77-052-1	S/E DACS II Digital CXR Right to Left GP 52	20pr/26awg 1249
53	CA6-0000-T75-053-1	S/E DACS II Digital CXR Right to Left GP 53	20pr/26awg 1249
54	CA6-0000-T75-054-1	S/E DACS II Digital CXR Right to Left GP 54	20pr/26awg 1249
55	CA6-0000-T76-055-1	S/E DACS II Digital CXR Right to Left GP 55	20pr/26awg 1249
56	CA6-0000-T77-056-1	S/E DACS II Digital CXR Right to Left GP 56	20pr/26awg 1249
57	CA6-0000-T75-057-1	S/E DACS II Digital CXR Right to Left GP 57	20pr/26awg 1249
58	CA6-0000-T75-058-1	S/E DACS II Digital CXR Right to Left GP 58	20pr/26awg 1249
59	CA6-0000-T76-059-1	S/E DACS II Digital CXR Right to Left GP 59	20pr/26awg 1249
60	CA6-0000-T77-060-1	S/E DACS II Digital CXR Right to Left GP 60	20pr/26awg 1249
61	CA6-0000-T75-061-1	S/E DACS II Digital CXR Right to Left GP 61	20pr/26awg 1249
62	CA6-0000-T75-062-1	S/E DACS II Digital CXR Right to Left GP 62	20pr/26awg 1249
63	CA6-0000-T76-063-1	S/E DACS II Digital CXR Right to Left GP 63	20pr/26awg 1249
64	CA6-0000-T77-064-1	S/E DACS II Digital CXR Right to Left GP 64	20pr/26awg 1249

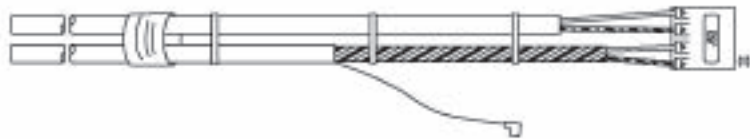
(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT
DACS II
ED 2C882-24 (Cont'd)

Group #	CSI Tech Part No.	Description	Cable Type
65	CA2-0000-T45-065-1	S/E DACS II Digital CXR Waterfall GP 65	25pr/22awg 609C
66	CA2-0000-T46-066-1	S/E DACS II Digital CXR Waterfall GP 66	25pr/22awg 609C
67	CA2-0000-T45-067-1	S/E DACS II Digital CXR Waterfall GP 67	25pr/22awg 609C
68	CA2-0000-T46-068-1	S/E DACS II Digital CXR Waterfall GP 68	25pr/22awg 609C
69	CA2-0000-T45-069-1	S/E DACS II Digital CXR Waterfall GP 69	25pr/22awg 609C
70	CA2-0000-T46-070-1	S/E DACS II Digital CXR Waterfall GP 70	25pr/22awg 609C
71	CA2-0000-T45-071-1	S/E DACS II Digital CXR Waterfall GP 71	25pr/22awg 609C
72	CA2-0000-T46-072-1	S/E DACS II Digital CXR Waterfall GP 72	25pr/22awg 609C
73	CA2-0000-T45-073-1	S/E DACS II Digital CXR Waterfall GP 73	25pr/22awg 609C
74	CA2-0000-T46-074-1	S/E DACS II Digital CXR Waterfall GP 74	25pr/22awg 609C
75	CA2-0000-T45-075-1	S/E DACS II Digital CXR Waterfall GP 75	25pr/22awg 609C
76	CA2-0000-T46-076-1	S/E DACS II Digital CXR Waterfall GP 76	25pr/22awg 609C
77	CA2-0000-T45-077-1	S/E DACS II Digital CXR Waterfall GP 77	25pr/22awg 609C
78	CA2-0000-T46-078-1	S/E DACS II Digital CXR Waterfall GP 78	25pr/22awg 609C
79	CA2-0000-T45-079-1	S/E DACS II Digital CXR Waterfall GP 79	25pr/22awg 609C
80	CA2-0000-T46-080-1	S/E DACS II Digital CXR Waterfall GP 80	25pr/22awg 609C
81	CA6-0000-T21-081-1	S/E DACS II Digital CXR Waterfall GP 81	20pr/26awg 1249
82	CA6-0000-T22-082-1	S/E DACS II Digital CXR Waterfall GP 82	20pr/26awg 1249
83	CA6-0000-T21-083-1	S/E DACS II Digital CXR Waterfall GP 83	20pr/26awg 1249
84	CA6-0000-T22-084-1	S/E DACS II Digital CXR Waterfall GP 84	20pr/26awg 1249
85	CA6-0000-T21-085-1	S/E DACS II Digital CXR Waterfall GP 85	20pr/26awg 1249
86	CA6-0000-T22-086-1	S/E DACS II Digital CXR Waterfall GP 86	20pr/26awg 1249
87	CA6-0000-T21-087-1	S/E DACS II Digital CXR Waterfall GP 87	20pr/26awg 1249
88	CA6-0000-T22-088-1	S/E DACS II Digital CXR Waterfall GP 88	20pr/26awg 1249
89	CA6-0000-T21-089-1	S/E DACS II Digital CXR Waterfall GP 89	20pr/26awg 1249
90	CA6-0000-T22-090-1	S/E DACS II Digital CXR Waterfall GP 90	20pr/26awg 1249
91	CA6-0000-T21-091-1	S/E DACS II Digital CXR Waterfall GP 91	20pr/26awg 1249
92	CA6-0000-T22-092-1	S/E DACS II Digital CXR Waterfall GP 92	20pr/26awg 1249
93	CA6-0000-T21-093-1	S/E DACS II Digital CXR Waterfall GP 93	20pr/26awg 1249
94	CA6-0000-T22-094-1	S/E DACS II Digital CXR Waterfall GP 94	20pr/26awg 1249
95	CA6-0000-T21-095-1	S/E DACS II Digital CXR Waterfall GP 95	20pr/26awg 1249
96	CA6-0000-T22-096-1	S/E DACS II Digital CXR Waterfall GP 96	20pr/26awg 1249

LUCENT
DACS IV
ED 2C948-20

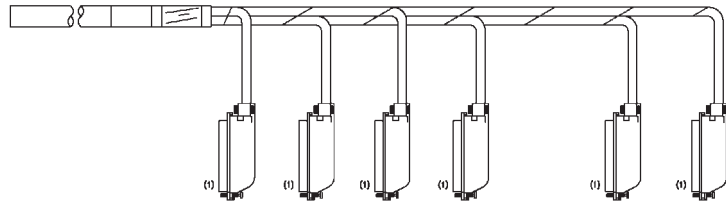


Group #	CSI Tech Part No.	Description	Cable Type
1	CA4-0000-652-000-1	DS1/DS3 Monitor Serial Telemetry, Set 2	2C/24awg
2	CA6-0000-653-000-1	DS1 in for SRV 1 (J20 - J21)	28pr/26awg 1249
3	CA6-0000-654-000-1	DS1 out for SRV 1 (J1 - J2)	28pr/26awg 1249
4	CA6-0000-653-000-1	DS1 in for SRV 2 (J22 - J23)	28pr/26awg 1249
5	CA6-0000-654-000-1	DS1 out for SRV 2 (J4 - J5)	28pr/26awg 1249
6	CA6-0000-655-000-1	DS1 in for SRV 3 (J25 - J24)	28pr/26awg 1249
7	CA6-0000-656-000-1	DS1 out for SRV 3 (J7 - J6)	28pr/26awg 1249
8	CA6-0000-655-000-1	DS1 in for SRV 4 (J27 - J26)	28pr/26awg 1249
9	CA6-0000-656-000-1	DS1 out for SRV 4 (J12 - J10)	28pr/26awg 1249
10	CA6-0000-653-000-1	DS1 in for SRV 5 (J50 - J51)	28pr/26awg 1249
11	CA6-0000-654-000-1	DS1 out for SRV 5 (J29 - J30)	28pr/26awg 1249
12	CA6-0000-653-000-1	DS1 in for SRV 6 (J52 - J53)	28pr/26awg 1249
13	CA6-0000-654-000-1	DS1 out for SRV 6 (J33 - J35)	28pr/26awg 1249
14	CA6-0000-655-000-1	DS1 in for SRV 7 (J55 - J54)	28pr/26awg 1249
15	CA6-0000-656-000-1	DS1 out for SRV 7 (J37 - J36)	28pr/26awg 1249
16	CA6-0000-655-000-1	DS1 in for SRV 8 (J57 - J56)	28pr/26awg 1249
17	CA6-0000-656-000-1	DS1 out for SRV 8 (J42 - J40)	28pr/26awg 1249

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**LUCENT
D-4 CHANNEL BANKS
ED 3C670-21**



Group #	CSI Tech Part No.	Description	Cable Type
1	CA6-0000-858-000-1	T R Leads for Di Grps A or B (J38)	144pr/26awg 814A
2	CA6-0000-859-000-1	T R Leads for Di Grps A or B (J38)	96pr/26awg 823A
3	CA6-0000-860-000-1	T R Leads for Di Grps A or B (J38)	128pr/26awg 810A
4	CA6-0000-861-000-1	T R Leads for Di Grps A or B (J38)	80pr/26awg 805A
5	CA6-0000-862-000-1	T R Leads for Di Grps A or B (J38)	96pr/26awg 823A
6	CA6-0000-608-000-1	T R Leads for Di Grps A or B (J38)	32pr/26awg 808A
7	CA6-0000-863-000-1	T1 R1 Leads for Di Grps A or B (J39)	144pr/26awg 814A
8	CA6-0000-864-000-1	T1 R1 Leads for Di Grps A or B (J39)	96pr/26awg 823A
9	CA6-0000-865-000-1	T1 R1 Leads for Di Grps A or B (J39)	128pr/26awg 810A
10	CA6-0000-866-000-1	T1 R1 Leads for Di Grps A or B (J39)	80pr/26awg 805A
11	CA6-0000-867-000-1	T1 R1 Leads for Di Grps A or B (J39)	96pr/26awg 823A
12	CA6-0000-609-000-1	T1 R1 Leads for Di Grps A or B (J39)	32pr/26awg 808A
13	CA6-0000-868-000-1	M SB Leads for Di Grps A or B (J40)	144pr/26awg 814A
14	CA6-0000-869-000-1	M SB Leads for Di Grps A or B (J40)	96pr/26awg 823A
15	CA6-0000-870-000-1	M SB Leads for Di Grps A or B (J40)	128pr/26awg 810A
16	CA6-0000-871-000-1	M SB Leads for Di Grps A or B (J40)	80pr/26awg 805A
17	CA6-0000-872-000-1	M SB Leads for Di Grps A or B (J40)	96pr/26awg 823A
18	CA6-0000-610-000-1	M SB Leads for Di Grps A or B (J40)	32pr/26awg 808A
19	CA6-0000-873-000-1	E SG Leads for Di Grps A or B (J42)	144pr/26awg 814A
20	CA6-0000-874-000-1	E SG Leads for Di Grps A or B (J42)	96pr/26awg 823A
21	CA6-0000-875-000-1	E SG Leads for Di Grps A or B (J42)	128pr/26awg 810A
22	CA6-0000-876-000-1	E SG Leads for Di Grps A or B (J42)	80pr/26awg 805A
23	CA6-0000-877-000-1	E SG Leads for Di Grps A or B (J42)	96pr/26awg 823A
24	CA6-0000-611-000-1	E SG Leads for Di Grps A or B (J42)	32pr/26awg 808A
43	CA6-0000-845-000-1	1 & 2 Leads for Di Grps A or B	144pr/26awg 814A
44	CA6-0000-843-000-1	1 & 2 Leads for Di Grps A or B	96pr/26awg 823A
45	CA6-0000-844-000-1	1 & 2 Leads for Di Grps A or B	128pr/26awg 810A
46	CA6-0000-841-000-1	1 & 2 Leads for Di Grps A or B	80pr/26awg 805A
47	CA6-0000-842-000-1	1 & 2 Leads for Di Grps A or B	96pr/26awg 823A
75	CA6-0000-785-000-1	M SB Leads	48pr/26awg 822A
76	CA6-0000-786-000-1	E SG Leads	48pr/26awg 822A
84	CA6-0000-635-000-1	T R Leads AS/BS (J38)	32pr/26awg 808A
85	CA6-0000-636-000-1	T1 R1 Leads AS/BS (J39)	32pr/26awg 808A
86	CA6-0000-645-000-1	T R Leads AS/BS (J38)	32pr/26awg 808A
87	CA6-0000-646-000-1	T1 R1 Leads AS/BS (J39)	32pr/26awg 808A

**LUCENT
D-4 CHANNEL BANKS
ED 3C670-21**

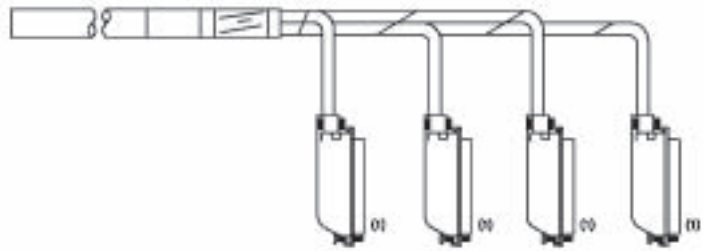
Group #	CSI Tech Part No.	Description	Cable Type
1,7,13,19	CA6-0000-801-000-1	(6) Banks Di Grps A or B	144pr/26awg 814A
2,8,14,20	CA6-0000-804-000-1	(4) Banks Di Grps A or B	96pr/26awg 823A
3,9,15,21	CA6-0000-805-000-1	(5) Banks Di Grps A or B	128pr/26awg 810A
4,10,16,22	CA4-0000-803-000-1	(3) Banks Di Grps A or B	80pr/26awg 805A
5,11,17,23	CA6-0000-802-000-1	(4) Banks Di Grps A or B	96pr/26awg 823A
6,12,18,24,48	CA6-0000-800-000-1	(1) Banks Di Grps A or B	32pr/26awg 808A

To order these Group Sets, please use the CSI Technologies part number.

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT
SLC SERIES 5 AND SLC 96
ED 3C861-20



Group #	CSI Tech Part No.	Description	Cable Type
5	CA4-0050-827-000-1	T R (J101-104) 4 Amps, 50ft	96pr/24awg 823A
6	CA4-0075-827-000-1	T R (J101 - J104) 4 Amps, 75ft	96pr/24awg 823A
7	CA4-0100-827-000-1	T R (J101 - J104) 4 Amps, 100ft	96pr/24awg 823A
8	CA4-0125-827-000-1	T R (J101 - J104) 4 Amps, 125ft	96pr/24awg 823A
9	CA4-0150-827-000-1	T R (J101 - J104) 4 Amps, 150ft	96pr/24awg 823A
10	CA4-0225-827-000-1	T R (J101 - J104) 4 Amps, 225ft	96pr/24awg 823A
11	TSI-2450-003-000-2	(4) (F) Connector (J101-104)	
12	CA4-0050-828-000-1	SG, SB, EM (J105-108) 4 Amps, 50ft	96pr/24awg 823A
13	CA4-0075-828-000-1	SG, SB, EM (J105-108) 4 Amps, 75ft	96pr/24awg 823A
14	CA4-0100-828-000-1	SG, SB, EM (J105-108) 4 Amps, 100ft	96pr/24awg 823A
15	CA4-0125-828-000-1	SG, SB, EM (J105-108) 4 Amps, 125ft	96pr/24awg 823A
16	CA4-0150-828-000-1	SG, SB, EM (J105-108) 4 Amps, 150ft	96pr/24awg 823A
17	CA4-0225-828-000-1	SG, SB, EM (J105-108) 4 Amps, 225ft	96pr/24awg 823A
18	TSI-2450-004-000-2	(4) (F) Connector (J105-108)	
19	CA4-0075-829-000-1	Pair Gain Test, 75ft	10pr/24awg 254A
20	CA4-0100-829-000-1	Pair Gain Test, 100ft	10pr/24awg 254A
21	CA4-0150-829-000-1	Pair Gain Test, 150ft	10pr/24awg 254A
22	CA4-0225-829-000-1	Pair Gain Test, 225ft	10pr/24awg 254A
23	TSI-2450-005-000-2	(1) (F) Connector	
24	CA4-0000-554-000-1	Pair Gain Test	10pr/24awg 254A
27	CA4-0000-827-000-1	T R	96pr/24awg 823A
28	CA4-0000-828-000-1	SG, SB, EM	96pr/24awg 823A
29	CA4-0000-829-000-1	Pair Gain Test	10pr/24awg 254A

LUCENT
SLC SERIES 2000
ED 7C723-34



Group #	CSI Tech Part No.	Description	Cable Type
3	CA7-0003-G08-000-2	D/E 6 Pos. Mate/Lock, 3ft	1C/18 & 24awg
4	CA6-0005-G25-000-2	Interconnect MDS to HDOS, 5ft	16pr/26awg 807A
5	CA7-0002-G10-000-2	D/E Mate/Lock (1) to (5), 2ft	16, 18 & 24awg

LUCENT
SLC SERIES 2000
ED 7C723-35

Group #	CSI Tech Part No.	Description	Cable Type
1	CA6-0030-G11-000-1	Metallic Dist. Shelf VF Dangers, 30ft	25pr/26awg TIW
2	CA6-0050-G11-000-1	Metallic Dist. Shelf VF Dangers, 50ft	25pr/26awg TIW
3	CA6-0000-G11-000-1	Metallic Dist. Shelf VF Dangers	25pr/26awg TIW

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT
SLC SERIES 2000
ED 7C723-37

Group #	CSI Tech Part No.	Description	Cable Type
4	CA6-0075-G18-000-1	S/E (4) 50 Pos. VF Dist., 75ft	100pr/26awg TIW
5	CA6-0150-G18-000-1	S/E (4) 50 Pos. VF Dist., 150ft	100pr/26awg TIW
6	CA6-0000-G18-000-1	S/E (4) 50 Pos. VF Dist.	100pr/26awg TIW
7	CA6-0075-G19-000-1	S/E (4) 50 Pos.(F) VF Dist., 75ft	100pr/26awg TIW
8	CA6-0150-G19-000-1	S/E (4) 50 Pos.(F) VF Dist., 150ft	100pr/26awg TIW
9	CA6-0000-G19-000-1	S/E (4) 50 Pos.(F) VF Dist.	100pr/26awg TIW
22	CA6-0250-G18-000-1	S/E (4) 50 Pos. VF Dist., 250ft	100pr/26awg TIW
23	CA6-0250-G19-000-1	S/E (4) 50 Pos.(F) VF Dist., 250ft	100pr/26awg TIW

LUCENT
FT-2000
ED 7G001-21

Group #	CSI Tech Part No.	Description	Cable Type
1	CA1-0000-X25-735-1	D/E Straight to Straight BNC	6C/735A
10	CA1-0000-X20-735-1	S/E Straight BNC	6C/735A
51	CA1-0100-X20-735-1	S/E Straight BNC, 100ft	6C/735A
61	CA1-0250-X20-735-1	S/E Straight BNC, 250ft	6C/735A
71	CA1-0500-X20-735-1	S/E Straight BNC, 500ft	6C/35A
210	CA1-0000-X19-735-1	S/E Coax Plug to STUB w/6 Straight BNC kit	6C/735A
251	CA1-0100-X19-735-1	S/E Coax Plug to STUB w/6 Straight BNC kit, 100ft	6C/735A
261	CA1-0250-X19-735-1	S/E Coax Plug to STUB w/6 Straight BNC kit, 250ft	6C/735A
271	CA1-0500-X19-735-1	S/E Coax Plug to STUB w/6 Straight BNC kit, 500ft	6C/735A
302	CA1-0000-Z54-735-1	D/E Coax Plug 9821EA to Straight	1C/735A
303	CA1-0000-Z55-735-1	D/E Coax Plug 9821FA to Straight	1C/735A

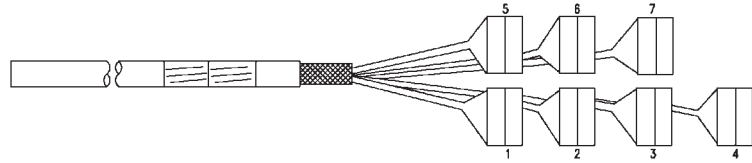
LUCENT
FT-2000
ED 7G001-22

Group #	CSI Tech Part No.	Description	Cable Type
3	CA2-0000-981-000-1	DS1 Timing Source	2C/22awg TSD
53	CA2-0150-981-000-1	DS1 Timing Source, 150ft	2C/22awg TSD
201	CA4-0000-982-000-1	Serial Telemetry 1 or 2 Braid Shield	1pr/24awg
251	CA4-0150-982-000-1	Serial Telemetry 1 or 2 Braid Shield, 150ft	1pr/24awg
261	CA4-0250-982-000-1	Serial Telemetry 1 or 2 Braid Shield, 250ft	1pr/24awg
301	CA6-0000-983-000-1	Off Alarm, Telem or Misc.Discret 1 or 2	8pr/26awg 811AS
351	CA6-0150-983-000-1	Off Alarm, Telem or Misc.Discret 1 or 2, 150ft	8pr/26awg 811AS
401	CA6-0000-984-000-1	LN. Order Wire or LN Growth CH.	6pr/26awg 816AS
451	CA6-0150-984-000-1	LN. Order Wire or LN Growth CH., 150ft	6pr/26awg 816AS
461	CA6-0250-984-000-1	LN. Order Wire or LN Growth CH., 250ft	6pr/26awg 816AS
602	CA6-0000-985-000-1	Oper. Sup. Intfc. Modem/Datakit II (M) to (F)	8pr/26awg 811AS
603	CA6-0000-G27-000-1	Oper. Sup. Intfc. Modem/Datakit II (M) to (M)	8pr/26awg 811AS
613	CA6-0050-G27-000-1	Oper. Sup. Intfc. Modem/Datakit II (M) to (M), 50ft	8pr/26awg 811AS
623	CA6-0075-G27-000-1	Oper. Sup. Intfc. Modem/Datakit II (M) to (M), 75ft	8pr/26awg 811AS
633	CA6-0100-G27-000-1	Oper. Sup. Intfc. Modem/Datakit II (M) to (M), 100ft	8pr/26awg 811AS
643	CA6-0125-G27-000-1	Oper. Sup. Intfc. Modem/Datakit II (M) to (M), 125ft	8pr/26awg 811AS
652	CA6-0150-985-000-1	Oper. Sup. Intfc. Modem/Datakit II (M) to (M), 150ft	8pr/26awg 811AS
702	CA6-0000-986-000-1	Craft Interface Term or Data Term	8pr/26awg 811AS
732	CA6-0100-986-000-1	Craft Interface Term or Data Term, 100ft	8pr/26awg 811AS
752	CA6-0150-986-000-1	Craft Interface Term or Data Term, 150ft	8pr/26awg 811AS

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT

DDM-2000 OC-3 REAR ACCESS
ED 8C724-20

Group #	CSI Tech Part No.	Description	Cable Type
301	CA2-0075-740-000-1	Muldem-A, Set 2, 75ft	30pr/22awg 613C
302	CA2-0150-740-000-1	Muldem-A, Set 2, 150ft	30pr/22awg 613C
303	CA2-0000-740-000-1	Muldem-A, Set 2	30pr/22awg 613C
304	CA6-0075-741-000-1	Muldem-A, Set 2, 75ft	28pr/26awg 1249
305	CA6-0150-741-000-1	Muldem-A, Set 2, 150ft	28pr/26awg 1249
306	CA6-0000-741-000-1	Muldem-A, Set 2	28pr/26awg 1249
307	CA2-0075-742-000-1	Muldem-B, Set 2, 75ft	30pr/22awg 613C
308	CA2-0150-742-000-1	Muldem-B, Set 2, 150ft	30pr/22awg 613C
309	CA2-0000-742-000-1	Muldem-B, Set 2	30pr/22awg 613C
310	CA6-0075-743-000-1	Muldem-B, Set 2, 75ft	28pr/26awg 1249
311	CA6-0150-743-000-1	Muldem-B, Set 2, 150ft	28pr/26awg 1249
312	CA6-0000-743-000-1	Muldem-B, Set 2	28pr/26awg 1249
313	CA2-0075-744-000-1	Muldem-C, Set 2, 75ft	30pr/22awg 613C
314	CA2-0150-744-000-1	Muldem-C, Set 2, 150ft	30pr/22awg 613C
315	CA2-0000-744-000-1	Muldem-C, Set 2	30pr/22awg 613C
316	CA6-0075-745-000-1	Muldem-C, Set 2, 75ft	28pr/26awg 1249
317	CA6-0150-745-000-1	Muldem-C, Set 2, 150ft	28pr/26awg 1249
318	CA6-0000-745-000-1	Muldem-C, Set 2	28pr/26awg 1249
319	CA6-0075-750-000-1	Remote Modem, 75ft	4pr/26awg 812AS
320	CA6-0150-724-000-1	Fanshelf Interface, 150ft	4pr/26awg
376	CA6-0000-724-000-1	Fanshelf Interface	4pr/26awg
333	CA1-0150-X67-735-1	DS3,DACS III,IV & 2000, Set 2, 150ft	1C/735A
334	CA1-0000-X63-735-1	DS3,DACS III,IV & 2000, Set 2	1C/735A
335	CA1-0150-X64-735-1	DS3,DACS III,IV & 2000, 150ft	6C/735A
336	CA1-0000-X61-735-1	DS3,DACS III,IV & 2000	6C/735A
337	CA1-0000-X65-734-1	DS3,DACS III,IV & 2000, Set 2	1C/734D
339	CA2-0100-746-000-1	DS1 Timing Ref Input, 150ft	2pr/22awg
340	CA2-0300-746-000-1	DS1 Timing Ref Input, 300ft	2pr/22awg
341	CA2-0000-746-000-1	DS1 Timing Ref Input	2pr/22awg
344	CA2-0150-722-000-1	Q2 to Lan, 150ft	2pr/22awg 750AS
345	CA2-0000-722-000-1	Q2 to Lan	2pr/22awg 750AS
346	CA6-0003-748-000-1	Order Wire, 3ft	4pr/26awg 812AS
348	CA6-0150-749-000-1	TBOS Shelves 1 & 2, 150ft	4pr/26awg 812AS
349	CA6-0000-749-000-1	TBOS Shelves 1 & 2	4pr/26awg 812AS
350	CA6-0150-750-000-1	150ft Modem, 150ft	4pr/26awg 812AS
351	CA6-0003-751-000-1	Interbay Mult w/TBOS, 3ft	4pr/26awg 812AS
352	CA6-0003-723-000-1	OC3 Interface, 2.5ft	4pr/26awg 812AS
353	CA6-0000-751-000-1	Interbay Mult w/TBOS	8pr/26awg
354	CA6-0003-752-000-1	3ft Interbay Mult w/o TBOS, 3 ft	6pr/26awg 816AS
356	CA6-0000-752-000-1	3ft Interbay Mult w/o TBOS	6pr/26awg 816AS
357	CA6-0150-753-000-1	Office Alarms, 150ft	6pr/26awg 816AS
358	CA6-0000-753-000-1	Office Alarms	6pr/26awg 816AS
359	CA6-0003-754-000-1	Office Alarm Multiple, 3ft	6pr/26awg 816AS
361	CA6-0000-754-000-1	Office Alarm Multiple	6pr/26awg 816AS
362	CA6-0150-755-000-1	Parallel Telemetry 1st Shelf, 150ft	16pr/26awg 807AS
363	CA6-0000-755-000-1	Parallel Telemetry 1st Shelf	16pr/26awg 807AS
364	CA6-0003-756-000-1	Parallel Telemetry Multiple, 3ft	16pr/26awg 807AS
366	CA6-0000-756-000-1	Parallel Telemetry Multiple	16pr/26awg 807AS
369	CA6-0150-757-000-1	Misc Discrete, 150ft	16pr/26awg 807AS
370	CA6-0000-757-000-1	Misc Discrete	16pr/26awg 807AS
371	CA2-0015-758-000-1	Single Power Harness, Set of 2, 15ft	12awg
372	CA2-0014-761-000-2	Power & Fan, Set of 2, 14 ft	10awg
373	CA6-0003-0R1-000-2	DS1 Input Timing Multiple, 3ft	6pr/26awg 816AS
374	CA2-0000-759-000-1	DS1 Input Timing Multiple	22awg BF
375	CA6-0002-760-000-2	Fan Shelf Interface, 2 ft	4pr/26awg

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT
DDM-2000 OC-3 REAR ACCESS
ED 8C724-20

Group #	CSI Tech Part No.	Description	Cable Type
377	CA2-0004-762-000-2	A & B Power, Set of 2, 4ft	2pr/12awg
378	CA6-0000-763-000-2	Fan Alarm Ground Jumper, 1ft 5in	1C/735A
380	CA6-0000-OR7-000-1	DS1 Timing In OC12 to OC3	26awg BF
381	CA2-0000-718-000-1	DS1 Timing In OC12 to OC3	22awg BF
382	CA2-0000-726-000-1	DS1 Timing In OC12 to OC3	22awg BF
383	CA6-0004-764-000-2	Office Alarm From OC3 to OC12, 4ft	6pr/26awg 816AS
384	CA6-0000-727-000-1	Office Alarm Multiple	6pr/26awg 816AS
385	CA6-0000-728-000-1	Office Alarm Multiple	6pr/26awg 816AS
386	CA6-0004-730-000-1	Parallel Telemetry Pos.1, 4ft	1400016A/16pr
387	CA6-0000-730-000-1	Parallel Telemetry Pos.1	1400016A/16pr
388	CA6-0000-731-000-1	Parallel Telemetry Multiple	1400016A/16pr
389	CA6-0004-732-000-1	TBOS Telemetry Interface, 4ft	1400008A/8pr
390	CA6-0000-732-000-1	TBOS Telemetry Interface	1400008A/8pr
391	CA6-0000-733-000-1	Interface Multiple w/o TBOS	1400008A/8pr
392	CA6-0000-734-000-1	Interface Multiple w TBOS	1400008A/8pr
393	CA6-0000-735-000-1	Interface Multiple w/o TBOS	1400008A/8pr
394	CA6-0002-394-000-2	DS1 Timing, 2ft	84688231/4pr
395	CA6-0000-736-000-1	TBOS Interface	4pr/26awg 812AS
396	CA6-0150-736-000-1	TBOS Interface, 150ft	4pr/26awg 812AS
397	TSI-0872-420-397-2	Termination Connector	N/A
398	CA6-0150-738-000-1	DS1 Cable for Intelligent Vehicle Hwy Sys., 150ft	1400016A/16pr
510	CA2-0350-740-000-1	Muldem-A, Set 2, 350ft	30pr/22awg 613C
511	CA2-0450-740-000-1	Muldem-A, Set 2, 450ft	30pr/22awg 613C
512	CA6-0030-741-000-1	Muldem-A, Set 2, 30ft	28pr/26awg 1249
513	CA6-0350-741-000-1	Muldem-A, Set 2, 350ft	28pr/26awg 1249
514	CA6-0450-741-000-1	Muldem-A, Set 2, 450ft	28pr/26awg 1249
515	CA2-0350-742-000-1	Muldem-B, Set 2, 350ft	30pr/22awg 613C
516	CA2-0450-742-000-1	Muldem-B, Set 2, 450ft	30pr/22awg 613C
517	CA6-0030-743-000-1	Muldem-B, Set 2, 30ft	28pr/26awg 1249
518	CA6-0350-743-000-1	Muldem-B, Set 2, 350ft	28pr/26awg 1249
519	CA6-0450-743-000-1	Muldem-B, Set 2, 450ft	28pr/26awg 1249
520	CA2-0350-744-000-1	Muldem-C, Set 2, 350ft	30pr/22awg 613C
521	CA2-0450-744-000-1	Muldem-C, Set 2, 450ft	30pr/22awg 613C
522	CA6-0030-745-000-1	Muldem-C, Set 2, 30ft	28pr/26awg 1249
523	CA6-0350-745-000-1	Muldem-C, Set 2, 350ft	28pr/26awg 1249
524	CA6-0450-745-000-1	Muldem-C, Set 2, 450ft	28pr/26awg 1249
530	CA2-0150-746-000-1	DS1 Timing Ref Input, 150ft	2pr/22awg
531	CA2-0450-746-000-1	DS1 Timing Ref Input, 450ft	2pr/22awg
533	CA6-0250-749-000-1	TBOS Shelves 1 & 2, 250ft	4pr/26awg 812AS
536	CA6-0004-752-000-1	3ft Interbay Mult w/o TBOS, 4 ft	6pr/26awg 816AS
537	CA6-0020-752-000-1	3ft Interbay Mult w/o TBOS, 20ft	6pr/26awg 816AS
538	CA6-0050-753-000-1	Office Alarms, 50ft	6pr/26awg 816AS
539	CA6-0250-753-000-1	Office Alarms, 250ft	6pr/26awg 816AS
540	CA6-0015-754-000-1	Office Alarm Multiple, 15ft	6pr/26awg 816AS
541	CA6-0050-757-000-1	Misc Discrete, 50ft	16pr/26awg 807AS
551	CA6-0050-755-000-1	Parallel Telemetry 1st Shelf, 50ft	16pr/26awg 807AS

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT

DDM-2000 OC-3 FRONT ACCESS

ED 8C724-21

Group #	CSI Tech Part No.	Description	Cable Type
414	CA2-0002-784-000-1	DS1 Timing / Sync, 2ft	22awg BF
428	CA6-0002-787-000-1	Misc. Discrete "A", 2ft	140016A/16pr
431	CA2-0075-782-000-1	DS1 Interface, Set of 4, 75ft	12&16pr/607C & 608C
432	CA2-0150-782-000-1	DS1 Interface, Set of 4, 150ft	12&16pr/607C & 608C
433	CA2-0000-782-000-1	DS1 Interface, Set of 4	12&16pr/607C & 608C
434	CA6-0075-790-000-1	DS1 Interface, Set of 4, 75ft	12pr/26awg
435	CA6-0150-790-000-1	DS1 Interface, Set of 4, 150ft	12pr/26awg
436	CA6-0000-790-000-1	DS1 Interface, Set of 4	12pr/26awg
443	CA2-0001-G32-000-2	A & B Power, Set of 2, 15in	12awg Strand
450	CA6-0004-792-000-1	Muldem A DS1 Grps 401-404, Set of 4, 4ft	1400016A/16pr
451	CA6-0004-793-000-1	Muldem B DS1 Grps 405-408, Set of 4, 4ft	1400016A/16pr
452	CA6-0004-794-000-1	Muldem C DS1 Grps 409-412, Set of 4, 4ft	1400016A/16pr
N/A	CA7-0000-P36-000-1	A & B Power, Set of 2	12awg Strand

LUCENT

DDM-2000 OC-12 REAR ACCESS

ED 8C727-20



Group #	CSI Tech Part No.	Description	Cable Type
100	CA1-0150-X62-735-1	DS3 to DSX 3/4, 150ft	1C/735A
101	CA1-0000-X66-735-1	Interface	1C/735A
103	CA1-0150-Y63-735-1	DS3 to DSX3/4 for Muldem A/D, Set of 2, 150ft	1C/735A
104	CA1-0000-Y67-735-1	DS3 to DSX3/4 for Muldem A/D, Set of 2	1C/735A
148	CA2-0000-805-000-1	A & B Shelf Fan Power, Set of 2, 2ft	12awg
149	CA6-0004-799-000-2	Fan Alarm Interface, 4ft	4pr/26awg 812AS
150	CA2-0002-806-000-1	A & B Shelf Power, 2ft	1C/735A
151	CA2-0100-807-000-1	DS1 Timing, 100ft	BF-3
152	CA2-0300-807-000-1	DS1 Timing, 300ft	BF-3
153	CA2-0000-807-000-1	DS1 Timing	BF-3
155	CA2-0000-G30-000-1	DS1 Timing Multiple	22BF
157	CA6-0150-809-000-1	TBOS Serial Telemetry, 150ft	4pr/26awg 812AS
158	CA6-0000-809-000-1	TBOS Serial Telemetry	4pr/26awg 812AS
159	CA6-0003-810-000-1	GTP to TBOS Adapter Cable, 3ft	4pr/26awg 812AS
160	CA6-0150-811-000-1	Parallel Telemetry, 150ft	16pr/26awg 807AS
161	CA6-0000-811-000-1	Parallel Telemetry	16pr/26awg 807AS
162	CA6-0004-812-000-1	Parallel Telemetry Multiple, 4ft	16pr/26awg 807AS
163	CA6-0000-812-000-1	Parallel Telemetry Multiple	8pr/26awg 811AS
169	CA6-0004-814-000-1	Intra Bay Mult W/TBOS, 4ft	8pr/26awg 811AS
170	CA6-0000-814-000-1	Intra Bay Mult W/TBOS	8pr/26awg 811AS
171	CA6-0004-815-000-1	Intra Bay Mult W/O TBOS, 4ft	16pr/26awg 807AS
172	CA6-0000-815-000-1	Intra Bay Mult W/O TBOS	16pr/26awg 807AS
173	CA6-0000-816-000-1	Modem Interface	4pr/26awg 812AS
174	CA6-0150-817-000-1	Office Alarms, 150ft	6pr/26awg 816AS
175	CA6-0000-817-000-1	Office Alarms	6pr/26awg 816AS
176	CA6-0005-818-000-1	Office Alarms Multiple, 5ft	6pr/26awg 816AS
177	CA6-0000-818-000-1	Office Alarms Multiple	6pr/26awg 816AS
178	CA6-0150-819-000-1	Misc Discrete Telemetry, 150ft	16pr/26awg 807AS
179	CA6-0000-819-000-1	Misc Discrete Telemetry	16pr/26awg 807AS
180	CA6-0000-823-000-1	TBOS Interface	4pr/26awg 812AS

(M) = Male Plug (F) = Female Socket

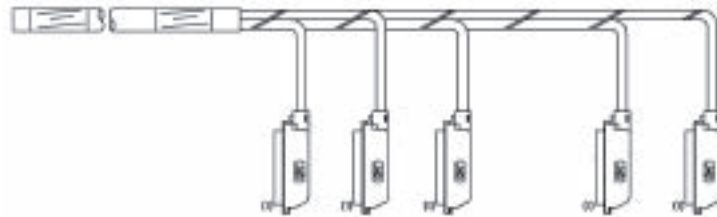
Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT

DDM-2000 PLUS

ED 8C730-20

Group #	CSI Tech Part No.	Description	Cable Type
1	CA4-0012-712-000-1	Dual Power Feed, 12ft	14awg Str
2	CA6-0000-714-000-1	Office Alarm	6pr/26awg 816AS
4	CA6-0000-715-000-1	Fault Alarm	4pr/26awg 812AS
5	CA2-0000-716-000-1	Line Connection In/Out, Set of 2	30pr/22awg 613C
6	CA6-0000-717-000-1	Line Connection In/Out, Set of 2	28pr/26awg 1249
7	CA2-0000-719-000-1	DSX-1, Set of 2	30pr/22awg 613C
8	CA6-0000-729-000-1	DSX-1, Set of 2	28pr/26awg 1249
10	CA6-0150-714-000-1	Office Alarm, 150ft	6pr/26awg 816AS
13	CA2-0100-716-000-1	Line Connection In/Out, Set of 2, 100ft	30pr/22awg 613C
14	CA2-0200-716-000-1	Line Connection In/Out, Set of 2, 200ft	30pr/22awg 613C
15	CA6-0100-717-000-1	Line Connection In/Out, Set of 2, 100ft	28pr/26awg 1249
16	CA6-0200-717-000-1	Line Connection In/Out, Set of 2, 200ft	28pr/26awg 1249
17	CA2-0085-719-000-1	DSX-1, Set of 2, 85ft	30pr/22awg 613C
18	CA2-0150-719-000-1	DSX-1, Set of 2, 150ft	30pr/22awg 613C
19	CA6-0085-729-000-1	DSX-1, Set of 2, 85ft	28pr/26awg 1249
20	CA6-0150-729-000-1	DSX-1, Set of 2, 150ft	28pr/26awg 1249
22	CA6-0000-782-000-1	Parallel Telemetry Misc Discrete	20pr/26awg 800AS
23	CA6-0150-782-000-1	Parallel Telemetry Misc Discrete, 150ft	20pr/26awg 800AS



LUCENT

D-4 SMAS

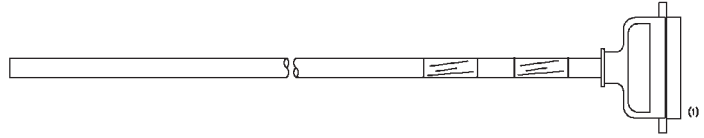
ED 97896-21

Group #	CSI Tech Part No.	Description	Cable Type
1	CA6-0000-894-000-1	(5) Connectors P40 A/B(F)	128pr/26awg 810A
2	CA6-0000-H07-000-1	(5) Connectors P42 A/B(F)	128pr/26awg 810A
3	CA6-0000-896-000-1	(5) Connectors P44 A/B(F)	128pr/26awg 810A
4	CA6-0000-897-000-1	(4) Connectors P40 A/B(F)	96pr/26awg 823A
5	CA6-0000-898-000-1	(4) Connectors P42 A/B(F)	96pr/26awg 823A
6	CA6-0000-899-000-1	(4) Connectors P44 A/B(F)	96pr/26awg 823A
7	CA6-0000-950-000-1	(3) Connectors P40 A/B(F)	80pr/26awg 805A
8	CA6-0000-951-000-1	(3) Connectors P42 A/B(F)	80pr/26awg 805A
9	CA6-0000-952-000-1	(3) Connectors P44 A/B(F)	80pr/26awg 805A

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT
REG BAYS
ED 97732-21



Group #	CSI Tech Part No.	Description	Current
1	CA6-0000-852-000-1	TR & TL RL (P3), 1 Shelf	32pr/26awg 808A
2	CA6-0000-853-000-1	TR & TL RL (P3), 3 Shelves	80pr/26awg 805A
3	CA6-0000-854-000-1	TR & TL RL (P3), 5 Shelves	128pr/26awg 810A
4	CA6-0000-855-000-1	TR & TL RL (P3), 6 Shelves	144pr/26awg 814A
6	CA6-0000-838-000-1	TL(0), RL(0) to (0), P25 & P26	50pr/26awg 813A
8	CA6-0050-830-000-1	TR, TLRL, P25, 12 CKT, 1 Amp, 50ft	32pr/26awg 808A
9	CA6-0100-830-000-1	TR, TLRL, P25, 12 CKT, 1 Amp, 100ft	32pr/26awg 808A
10	CA6-0150-830-000-1	TR, TLRL, P25, 12 CKT, 1 Amp, 150ft	32pr/26awg 808A
11	CA6-0225-830-000-1	TR, TLRL, P25, 12 CKT, 1 Amp, 225ft	32pr/26awg 808A
12	CA6-0050-831-000-1	TR, TLRL, P25 & P26, 24 CKT, 2 Amps, 50ft	50pr/26awg 813A
13	CA6-0100-831-000-1	TR, TLRL, P25 & P26, 24 CKT, 2 Amps, 100ft	50pr/26awg 813A
14	CA6-0150-831-000-1	TR, TLRL, P25 & P26, 24 CKT, 2 Amps, 150ft	50pr/26awg 813A
15	CA6-0225-831-000-1	TR, TLRL, P25 & P26, 24 CKT, 2 Amps, 225ft	50pr/26awg 813A
16	CA6-0050-832-000-1	TR, TLRL, P25 & P26, 72 CKT, 6 Amps, 50ft	144pr/26awg 814A
17	CA6-0075-832-000-1	TR, TLRL, P25 & P26, 72 CKT, 6 Amps, 75ft	144pr/26awg 814A
18	CA6-0100-832-000-1	TR, TLRL, P25 & P26, 72 CKT, 6 Amps, 100ft	144pr/26awg 814A
19	CA6-0125-832-000-1	TR, TLRL, P25 & P26, 72 CKT, 6 Amps, 125ft	144pr/26awg 814A
20	CA6-0150-832-000-1	TR, TLRL, P25 & P26, 72 CKT, 6 Amps, 150ft	144pr/26awg 814A
21	CA6-0225-832-000-1	TR, TLRL, P25 & P26, 72 CKT, 6 Amps, 225ft	144pr/26awg 814A

**NEC
IMT-150**



CSI Tech Part No.	Description	Cable Type
CA2-0000-T04-000-1	S/E 64 Pos.(F)-Slot (M)	30pr/22awg 613C
CA2-0000-T05-000-1	S/E 64 Pos.(F)-Slot (M) Rev Entry	30pr/22awg 613C
CA2-0000-T06-000-1	S/E 50 Pos.(F)-Slot (F) Rev Entry	25pr/22awg 609C
CA2-0000-T38-000-1	D/E 64 Pos. (M)	30pr/22awg 613C

**NEC
ISC 303
VF INTCON**

CSI Tech Part No.	Description	Cable Type
CA6-0000-127-T00-1	S/E 50 Pos (M) Bail lock w/180 Hood	25pr/26awg T1W

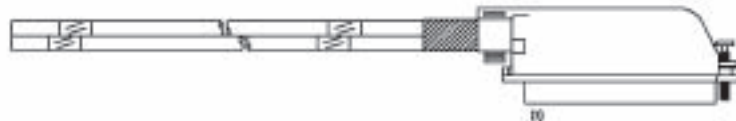
**NEC
RC-48 DX**

CSI Tech Part No.	Description	Cable Type
CA2-0000-R56-000-1	NEC-RC48DX Telemetry, GTP	2pr/22awg
CA2-0000-T25-000-1	S/E 64 Pos. 90° B/L (M) Set of 2	30pr/22awg 613C
CA2-0000-T25-REL-1	S/E 64 Pos. 90° B/L (M) Set of 2, Reels	30pr/22awg 613C

**NEC
SPECIALTY**

CSI Tech Part No.	Description	Cable Type
CA4-0004-27M-NEC-2	D/E 50 Pos (M) to (24) RJ11 plugs w/drain, Migration Octopus Cable	2c/24awg
CA4-0004-28M-NEC-2	D/E DB-25 (F) to RJ11 plug, A synch Data, RS-232	4pr/24awg
CA4-0000-29M-NEC-1	D/E DB-25 (F) to DB-25 (M), Interface Cable, Harris to Cornet	12pr/24awg
CA4-0000-30M-NEC-1	D/E DB-25 (F) to DB-25 (M), A synch to Cornet	4pr/24awg
CA2-0000-33M-NEC-1	S/E 64 Pos (M) to stub	25pr/22awg/T1
CA4-0003-34M-NEC-2	D/E DB25 (F) to RJ11, A synch Data (SCADA)	4pr/24awg

**NORTEL
DMS**

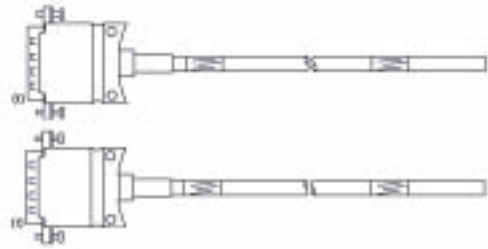


CSI Tech Part No.	NORTEL Part No.	Description	Cable Type
CA2-0000-365-000-1	N/A	S/E DB15 Timing Cable	1pr/22awg P7
CA2-0000-375-000-1	90-0564-01	Dual T1 Circuit	2pr/22awg TSD
CA2-0000-376-000-1	N/A	Office Timing Circuit	BF Wire
CA4-0000-377-000-1	N/A	Test Access Connector	25pr/24awg
CA4-0000-379-000-1	90-1513-01	VF Cable Assem 3600 sh	25pr/24awg
CA4-0000-619-000-1	91-1217-01	T1 / DSX Interface	2pr/24awg
CA4-0000-626-000-1	N/A	S/E 50 Pos.(M) Newbridge Alarm	1pr/24awg
CA6-0000-378-000-1	90-1234-01	DSO Cable 1 per slot	8pr/26awg 811A
CA2-0000-C03-000-1	90-1625-02	Dual T1-2 Circuit	2pr/22awg TSD
CA2-0000-T07-000-1	N/A	S/E 50 Pos.(M) T1-Circuits 1-4	6pr/22awg
CA2-0000-T09-000-1	N/A	S/E 50 Pos.(M) T1-Circuits 1-8	12pr/22awg
CA4-0000-395-000-1	N/A	Newbridge 3600 Alarm (FA)	1pr/24awg
CA4-0000-463-000-1	N/A	CH.Bank to ADC 6w Jacks	75pr/24awg
CA4-0000-574-000-1	N/A	Timing Ckt Class A	4pr/24awg TSD
CA4-0000-C07-000-1	90-0564-01	Dual T1 Circuit	2pr/24awg TSD
CA4-0000-C08-000-1	90-1625-02	Dual T1 Circuit (2 Card)	2pr/24awg TSD
CA4-0000-T11-000-1	90-1625-02	Dual T1-2 Circuit	2pr/24awg TSD
CA4-0000-174-000-1	N/A	T1 / 3624 MAIN ST.	3pr/24awg
CA4-0015-174-000-2	N/A	T1 / 3624 MAIN ST., 15ft	3pr/24awg
CA4-0000-J36-000-1	90-2542-01	Telco MAU to T1 Port	2pr/24awg

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**NORTEL
OPTera METRO 3100**



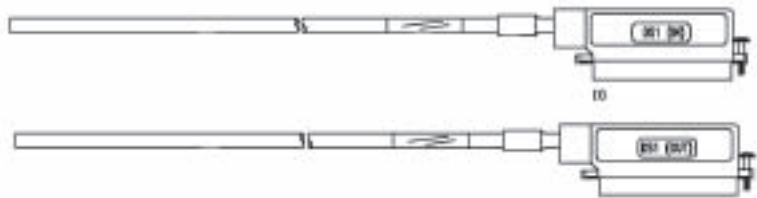
CSI Tech Part No.	NORTEL Part No.	Description	Cable Type
CA7-0000-K40-000-2	N/A		
This Kit includes the following Cable Assemblies:			
CA4-0100-R96-000-1	A0765811	DS, DB26(M) to (M), 100ft, (1) Set of 2	12pr/24awg Shielded
CA4-0060-R92-000-1	A0771617	DCE Cable DB9(M) to (F), 60ft, Qty 1	10Cc/24awg Stranded
CA4-0060-R10-000-1	A0777942	RS-232 Null Modem Cable, 60ft, Qty 1	10C/24awg Stranded
CA7-0015-P18-000-2	A0782336	Standard Power Cable, 15ft, Qty 1	
WIR-4682-1FT-000-2	A0771618	TBOS, 30ft	4pr/24awg Shielded 1107
WIR-7077-1FT-2PR-2	A0771582	100ft	2pr/22awg Shielded Pairs 750A
WIR-1222-1FT-TSD-2	A0777083	100ft	12pr/22awg TSD 607C
WIR-1622-1FT-TSD-2	A0771585	100ft	16pr/22awg TSD 608C

**NORTEL
OPTera METRO 3300, 3400 or 3500**



CSI Tech Part No.	NORTEL Part No.	Description	Cable Type
CA7-0000-K01-000-2	N/A		
This Kit includes the following Cable Assemblies:			
CA2-0100-T01-000-1	A0771472	DS1 Express Cable, 100ft, (3)Sets of 2	30pr/22awg
CA1-0100-Z01-735-1	N/A	DS3 Cable In/Out, 100ft, (3)Sets of 2	1C/735A
CA4-0030-R09-000-1	A0778319	TBOS Express Cable, 30ft, Qty 1	4pr/24awg
CA4-0060-R10-000-1	A0777942	RS-232 Null Modem Cable, 60ft, Qty 1	10C/24awg Stranded
CA4-0060-R11-000-1	A0775356	RS-232 DCE Cable, 60ft, Qty 1	10C/24awg Stranded
WIR-7077-1FT-2PR-2	A0771582	100ft	2pr/22awg Shielded Pairs 750A
WIR-1222-1FT-TSD-2	A0777083	100ft	12pr/22awg TSD 607C
WIR-1622-1FT-TSD-2	A0771585	100ft	16pr/22awg TSD 608C

**NORTEL
OPTera METRO DSM SHELF LAYOUT**



EMERSON Part No.	NORTEL Part No.	Description	Cable Type
CA2-0000-T01-000-1	N/A	DS1 Express Cable, Set of 2	30pr/22awg
CA4-0000-R10-000-1	N/A	RS-232 Null Modem Cable	10C/24awg Stranded
WIR-7077-1FT-2PR-2	A0771582	100ft	2pr/22awg Shielded Pairs 750A
WIR-1622-1FT-TSD-2	A0771585	100ft	16pr/22awg TSD 608C
WIR-1222-1FT-TSD-2	A0777083	100ft	12pr/22awg TSD 607C

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

NORTEL
OC3 EXPRESS CX

CSI Tech Part No.	NORTEL Part No.	Description	Cable Type
CA7-0000-K40-000-2	N/A		
This Kit includes the following Cable Assemblies:			
CA4-0100-R96-000-1	A0765811	DS1, DB26(M), Set of 2, 100ft	12pr/24awg Shielded
CA4-0060-R92-000-1	A0771617	DCE Cable DB9(M) to (F), 60ft	10C/24awg Stranded
CA4-0060-R10-000-1	A0777942	RS-232 Null Modem Cable, 60ft.	10C/24awg Stranded
CA7-0015-P18-000-2	N/A	Standard Power Cable, 15ft.	
WIR-4682-1FT-000-2	N/A	TBOS, 30ft	4pr/24awg Shielded 1107
WIR-7077-1FT-2PR-2	A0771582	100ft	2pr/22awg Shielded Pairs 750A
WIR-1222-1FT-TSD-2	A0777083	100ft	12pr/22awg TSD 607C
WIR-1622-1FT-TSD-2	A0771585	100ft	16pr/22awg TSD 608C
OPTIONAL CABLE ASSEMBLY			
A0771615	CA7-0005-P48-000-2	#12 Mate-n-Lok Power Cable (NT7E56BA), 5ft	

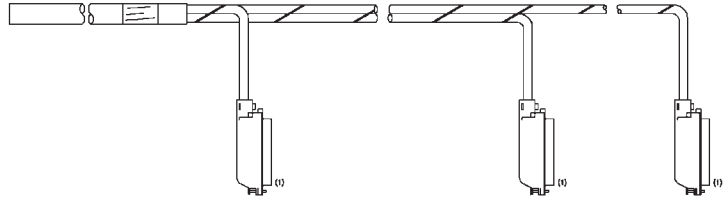
NORTEL
OC3 EXPRESS MX

CSI Tech Part No.	NORTEL Part No.	Description	Cable Type
CA7-0000-K01-000-2	N/A		
This Kit includes the following Cable Assemblies:			
CA2-0100-T01-000-1	A0771472	DS1 Express Cable, (3)Sets of 2, 100ft	30pr/22awg
CA1-0100-Z01-735-1	N/A	DS3 Cable In/Out, (3)Sets of 2, 100ft	1C/735A
CA4-0030-R09-000-1	A0778319	Express Cable, 30ft	4pr/24awg TBOS
CA4-0060-R10-000-1	A0777942	RS-232 Null Modem Cable, 60ft	10C/24awg Stranded
CA4-0060-R11-000-1	A0775356	RS-232 DCE Cable, 60ft	10C/24awg Stranded
CA7-0015-P01-000-2	A0751823	Standard Power Cable, 15ft	1 Each
WIR-7077-1FT-2PR-2	A0771582	100ft	2pr/22awg Shielded Pairs 750A
WIR-1222-1FT-TSD-2	A0777083	100ft	12pr/22awg TSD 607C
WIR-1622-1FT-TSD-2	A0771585	100ft	16pr/22awg TSD 608C
OPTIONAL CABLE ASSEMBLY			
CA7-0005-P38-000-2	N/A	#12 Mate-n-Lok Power Cable (NT7E56BA), 5ft	

NORTEL
OC3 BASIC EXPRESS MX

CSI Tech Part No.	NORTEL Part No.	Description	Cable Type
CA7-0000-K41-000-2	N/A		
This Kit includes the following Cable Assemblies:			
CA2-0100-T01-000-1	A0771472	DS1 Express Cable, Set of 2, 100ft	30pr/22awg
CA4-0030-R09-000-1	A0778319	Express Cable, 30ft	4pr/24awg TBOS
CA4-0060-R10-000-1	A0777942	RS-232 Null Modem Cable, 60ft	10C/24awg Stranded
CA4-0060-R11-000-1	A0775356	RS-232 DCE Cable, 60ft	10C/24awg Stranded
CA7-0015-P01-000-2	A0751823	Standard Power Cable, 15ft	
WIR-7077-1FT-2PR-2	A0771582	100ft	2pr/22awg Shielded Pairs 750A
WIR-1222-1FT-TSD-2	A0777083	100ft	12pr/22awg TSD 607C
WIR-1622-1FT-TSD-2	A0771585	100ft	16pr/22awg TSD 608C

**PULSECOM
PD4/2 CHANNEL BANK
(NON UNITIZED SMAS)**



CSI Tech Part No.	Description	Sets	Cable Type
CA6-0000-J01-000-1	Di-Group A 3 Banks, 7ft.	Set 4	80pr/26awg 805A
This set includes the following 7ft cables:			
CA6-0000-J01-001-1	P38	1 of 4	80pr/26awg 805A
CA6-0000-J01-002-1	P39	2 of 4	80pr/26awg 805A
CA6-0000-J01-003-1	P40	3 of 4	80pr/26awg 805A
CA6-0000-J01-004-1	P42	4 of 4	80pr/26awg 805A
CA6-0000-J02-000-1	Di-Group B 3 Banks, 7ft.	Set 4	80pr/26awg 805A
This set includes the following 7ft cables:			
CA6-0000-J02-001-1	P38	1 of 4	80pr/26awg 805A
CA6-0000-J02-002-1	P39	2 of 4	80pr/26awg 805A
CA6-0000-J02-003-1	P40	3 of 4	80pr/26awg 805A
CA6-0000-J02-004-1	P42	4 of 4	80pr/26awg 805A
CA6-0000-J03-000-1	Di-Group A 4 Banks, 7ft.	Set 4	96pr/26awg 823A
This set includes the following 7ft cables:			
CA6-0000-J03-001-1	P38	1 of 4	96pr/26awg 823A
CA6-0000-J03-002-1	P39	2 of 4	96pr/26awg 823A
CA6-0000-J03-003-1	P40	3 of 4	96pr/26awg 823A
CA6-0000-J03-004-1	P42	4 of 4	96pr/26awg 823A
CA6-0000-J04-000-1	Di-Group B 4 Banks, 7ft.	Set 4	96pr/26awg 823A
This set includes the following 7ft cables:			
CA6-0000-J04-001-1	P38	1 of 4	96pr/26awg 823A
CA6-0000-J04-002-1	P39	2 of 4	96pr/26awg 823A
CA6-0000-J04-003-1	P40	3 of 4	96pr/26awg 823A
CA6-0000-J04-004-1	P42	4 of 4	96pr/26awg 823A
CA6-0000-J05-000-1	Di-Group A 4 Banks,	Set 4	96pr/26awg 823A
This set includes the following 9ft cables:			
CA6-0000-J05-001-1	P38	1 of 4	96pr/26awg 823A
CA6-0000-J05-002-1	P39	2 of 4	96pr/26awg 823A
CA6-0000-J05-003-1	P40	3 of 4	96pr/26awg 823A
CA6-0000-J05-004-1	P42	4 of 4	96pr/26awg 823A
CA6-0000-J06-000-1	Di-Group B 4 Banks	Set 4	96pr/26awg 823A
This set includes the following 9ft cables:			
CA6-0000-J06-001-1	P38	1 of 4	96pr/26awg 823A
CA6-0000-J06-002-1	P39	2 of 4	96pr/26awg 823A
CA6-0000-J06-003-1	P40	3 of 4	96pr/26awg 823A
CA6-0000-J06-004-1	P42	4 of 4	96pr/26awg 823A
CA6-0000-J07-000-1	Di-Group A 5 Banks	Set 4	128pr/26awg 810A
This set includes the following 11ft 6in cables:			
CA6-0000-J07-001-1	P38	1 of 4	128pr/26awg 810A
CA6-0000-J07-002-1	P39	2 of 4	128pr/26awg 810A
CA6-0000-J07-003-1	P40	3 of 4	128pr/26awg 810A
CA6-0000-J07-004-1	P42	4 of 4	128pr/26awg 810A
CA6-0000-J08-000-1	Di-Group B 5 Banks	Set 4	128pr/26awg 810A
This set includes the following 11ft 6in cables:			
CA6-0000-J08-001-1	P38	1 of 4	128pr/26awg 810A
CA6-0000-J08-002-1	P39	2 of 4	128pr/26awg 810A
CA6-0000-J08-003-1	P40	3 of 4	128pr/26awg 810A
CA6-0000-J08-004-1	P42	4 of 4	128pr/26awg 810A

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

PULSECOM
PD4/2 CHANNEL BANK (NON UNITIZED SMAS)

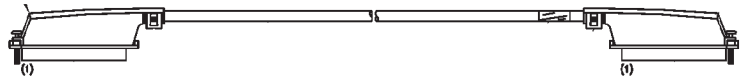
CSI Tech Part No.	Description	Sets	Cable Type
CA6-0000-J09-000-1	Di-Group A 6 Banks	Set 4	144pr/26awg 814A
This set includes the following 11ft 6in cables:			
CA6-0000-J09-001-1	P38	1 of 4	144pr/26awg 814A
CA6-0000-J09-002-1	P39	2 of 4	144pr/26awg 814A
CA6-0000-J09-003-1	P40	3 of 4	144pr/26awg 814A
CA6-0000-J09-004-1	P42	4 of 4	144pr/26awg 814A
CA6-0000-J10-000-1	Di-Group B 6 Banks	Set 4	144pr/26awg 814A
This set includes the following 11ft 6in cables:			
CA6-0000-J10-001-1	P38	1 of 4	144pr/26awg 814A
CA6-0000-J10-002-1	P39	2 of 4	144pr/26awg 814A
CA6-0000-J10-003-1	P40	3 of 4	144pr/26awg 814A
CA6-0000-J10-004-1	P42	4 of 4	144pr/26awg 814A
CA6-0000-J11-000-1	Di-Group A 3 Banks	Set 5	80pr/26awg 805A
This set includes the following 7ft cables:			
CA6-0000-J11-001-1	P38	1 of 5	80pr/26awg 805A
CA6-0000-J11-002-1	P39	2 of 5	80pr/26awg 805A
CA6-0000-J11-003-1	P40	3 of 5	80pr/26awg 805A
CA6-0000-J11-004-1	P42	4 of 5	80pr/26awg 805A
CA6-0000-J11-005-1	P44	5 of 5	80pr/26awg 805A
CA6-0000-J12-000-1	Di-Group B 3 Banks	Set 5	80pr/26awg 805A
This set includes the following 7ft cables:			
CA6-0000-J12-001-1	P38	1 of 5	80pr/26awg 805A
CA6-0000-J12-002-1	P39	2 of 5	80pr/26awg 805A
CA6-0000-J12-003-1	P40	3 of 5	80pr/26awg 805A
CA6-0000-J12-004-1	P42	4 of 5	80pr/26awg 805A
CA6-0000-J12-005-1	P44	5 of 5	80pr/26awg 805A
CA6-0000-J13-000-1	Di-Group A 4 Banks	Set 5	96pr/26awg 823A
This set includes the following 7ft cables:			
CA6-0000-J13-001-1	P38	1 of 5	96pr/26awg 823A
CA6-0000-J13-002-1	P39	2 of 5	96pr/26awg 823A
CA6-0000-J13-003-1	P40	3 of 5	96pr/26awg 823A
CA6-0000-J13-004-1	P42	4 of 5	96pr/26awg 823A
CA6-0000-J13-005-1	P44	5 of 5	96pr/26awg 823A
CA6-0000-J14-000-1	Di-Group B 4 Banks	Set 5	96pr/26awg 823A
This set includes the following cables			
CA6-0000-J14-001-1	P38	1 of 5	96pr/26awg 823A
CA6-0000-J14-002-1	P39	2 of 5	96pr/26awg 823A
CA6-0000-J14-003-1	P40	3 of 5	96pr/26awg 823A
CA6-0000-J14-004-1	P42	4 of 5	96pr/26awg 823A
CA6-0000-J14-005-1	P44	5 of 5	96pr/26awg 823A
CA6-0000-J15-000-1	Di-Group A 4 Banks	Set 5	96pr/26awg 823A
This set includes the following 9ft cables:			
CA6-0000-J15-001-1	P38	1 of 5	96pr/26awg 823A
CA6-0000-J15-002-1	P39	2 of 5	96pr/26awg 823A
CA6-0000-J15-003-1	P40	3 of 5	96pr/26awg 823A
CA6-0000-J15-004-1	P42	4 of 5	96pr/26awg 823A
CA6-0000-J15-005-1	P44	5 of 5	96pr/26awg 823A
CA6-0000-J16-000-1	Di-Group B 4 Banks	Set 5	96pr/26awg 823A
This set includes the following 9ft cables:			
CA6-0000-J16-001-1	P38	1 of 5	96pr/26awg 823A
CA6-0000-J16-002-1	P39	2 of 5	96pr/26awg 823A
CA6-0000-J16-003-1	P40	3 of 5	96pr/26awg 823A
CA6-0000-J16-004-1	P42	4 of 5	96pr/26awg 823A
CA6-0000-J16-005-1	P44	5 of 5	96pr/26awg 823A

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

PULSECOM**PD4/2 CHANNEL BANK (NON UNITIZED SMAS)**

CSI Tech Part No.	Description	Sets	Cable Type
CA6-0000-J17-000-1	Di-Group A 5 Banks	Set 5	128pr/26awg 810A
This set includes the following 9ft cables:			
CA6-0000-J17-001-1	P38	1 of 5	128pr/26awg 810A
CA6-0000-J17-002-1	P39	2 of 5	128pr/26awg 810A
CA6-0000-J17-003-1	P40	3 of 5	128pr/26awg 810A
CA6-0000-J17-004-1	P42		128pr/26awg 810A
CA6-0000-J17-005-1	P44	5 of 5	128pr/26awg 810A
CA6-0000-J18-000-1	Di-Group B 5 Banks	Set 5	128pr/26awg 810A
This set includes the following 9ft cables:			
CA6-0000-J18-001-1	P38	1 of 5	128pr/26awg 810A
CA6-0000-J18-002-1	P39	2 of 5	128pr/26awg 810A
CA6-0000-J18-003-1	P40	3 of 5	128pr/26awg 810A
CA6-0000-J18-004-1	P42	4 of 5	128pr/26awg 810A
CA6-0000-J18-005-1	P44	5 of 5	128pr/26awg 810A
CA6-0000-J19-000-1	Di-Group A 6 Banks	Set 5	144pr/26awg 814A
This set includes the following 11ft 6in cables:			
CA6-0000-J19-001-1	P38	1 of 5	144pr/26awg 814A
CA6-0000-J19-002-1	P39	2 of 5	144pr/26awg 814A
CA6-0000-J19-003-1	P40	3 of 5	144pr/26awg 814A
CA6-0000-J19-004-1	P42	4 of 5	144pr/26awg 814A
CA6-0000-J19-005-1	P44	5 of 5	144pr/26awg 814A
CA6-0000-J20-000-1	Di-Group B 6 Banks	Set 5	144pr/26awg 814A
This set includes the following 11ft 6in cables:			
CA6-0000-J20-001-1	P38	1 of 5	144pr/26awg 814A
CA6-0000-J20-002-1	P39	2 of 5	144pr/26awg 814A
CA6-0000-J20-003-1	P40	3 of 5	144pr/26awg 814A
CA6-0000-J20-004-1	P42	4 of 5	144pr/26awg 814A
CA6-0000-J20-005-1	P44	5 of 5	144pr/26awg 814A

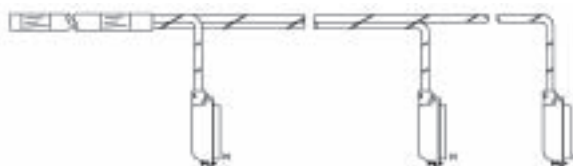
PULSECOM**PD4/2 CHANNEL BANK****EXTENSION CABLES**

CSI Tech Part No.	Description	Sets	Cable Type	Cable Length	
				Cut	Finished
CA7-0000-688-000-2	Di-Group A & B	Set 8	25pr/24awg	fixed	
This set includes the following cables:					
CA7-0000-688-001-2	P38 Di-Group A	1 of 8	25pr/24awg	30in	16in
CA7-0000-688-002-2	P39 Di-Group A	2 of 8	25pr/24awg	36in	22in
CA7-0000-688-003-2	P40 Di-Group A	3 of 8	25pr/24awg	27in	13in
CA7-0000-688-004-2	P42 Di-Group A	4 of 8	25pr/24awg	33in	19in
CA7-0000-688-005-2	P38 Di-Group B	5 of 8	25pr/24awg	31in	17in
CA7-0000-688-006-2	P39 Di-Group B	6 of 8	25pr/24awg	26in	12in
CA7-0000-688-007-2	P40 Di-Group B	7 of 8	25pr/24awg	34in	20in
CA7-0000-688-008-2	P42 Di-Group B	8 of 8	25pr/24awg	28in	14in
CA7-0000-690-000-2	Di-Group A & B	Set 10	25pr/24awg	fixed	
This set includes the following cables:					
CA7-0000-690-001-2	P38 Di-Group A	1 of 10	25pr/24awg	30in	16in
CA7-0000-690-002-2	P39 Di-Group A	2 of 10	25pr/24awg	36in	22in
CA7-0000-690-003-2	P40 Di-Group A	3 of 10	25pr/24awg	27in	13in
CA7-0000-690-004-2	P42 Di-Group A	4 of 10	25pr/24awg	33in	19in
CA7-0000-690-005-2	P44 Di-Group A	5 of 10	25pr/24awg	39in	25in
CA7-0000-690-006-2	P38 Di-Group B	6 of 10	25pr/24awg	31in	17in
CA7-0000-690-007-2	P39 Di-Group B	7 of 10	25pr/24awg	26in	12in
CA7-0000-690-008-2	P40 Di-Group B	8 of 10	25pr/24awg	34in	20in
CA7-0000-690-009-2	P42 Di-Group B	9 of 10	25pr/24awg	28in	14in
CA7-0000-690-010-2	P44 Di-Group B	10 of 10	25pr/24awg	23in	9in

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**PULSECOM
PD4/2 CHANNEL BANK (UNITIZED SMAS)**



CSI Tech Part No.	Description	Sets	Cable Type
CA4-0000-M15-000-1	Di-Group A or B, 3 Bank, 7ft Bay	J2 (T,R)	75pr/24awg TIW
CA4-0000-M16-000-1	Di-Group A or B, 4 Bank, 9ft Bay	J2 (T,R)	100pr/24awg TIW
CA4-0000-M17-000-1	Di-Group A or B, 5 Bank, 11ft 6in Bay	J2 (T,R)	125pr/24awg TIW
CA4-0000-M26-000-1	Di-Group A or B, 3 Bank, 7ft Bay	J6 (T1,R1)	75pr/24awg TIW
CA4-0000-M27-000-1	Di-Group A or B, 4 Bank, 9ft Bay	J6 (T1,R1)	100pr/24awg TIW
CA4-0000-M28-000-1	Di-Group A or B, 5 Bank, 11ft 6in Bay	J6 (T1,R1)	125pr/24awg TIW
CA4-0000-M20-000-1	Di-Group A 3 Banks	Set 2	75pr/24awg TIW
This set includes the following 7ft cables:			
CA4-0000-M20-001-1	P40	1 of 2	75pr/24awg TIW
CA4-0000-M20-002-1	P42	2 of 2	75pr/24awg TIW
CA4-0000-M21-000-1	Di-Group B 3 Banks	Set 2	75pr/24awg TIW
This set includes the following 7ft cables:			
CA4-0000-M21-001-1	P40	1 of 2	75pr/24awg TIW
CA4-0000-M21-002-1	P42	2 of 2	75pr/24awg TIW
CA4-0000-M22-000-1	Di-Group A 3 Banks	Set 3	75pr/24awg TIW
This set includes the following 7ft cables:			
CA4-0000-M22-001-1	P40	1 of 3	75pr/24awg TIW
CA4-0000-M22-002-1	P42	2 of 3	75pr/24awg TIW
CA4-0000-M22-003-1	P44	3 of 3	75pr/24awg TIW
CA4-0000-M23-000-1	Di-Group B 3 Banks	Set 3	75pr/24awg TIW
This set includes the following 7ft cables:			
CA4-0000-M23-001-1	P40	1 of 3	75pr/24awg TIW
CA4-0000-M23-002-1	P42	2 of 3	75pr/24awg TIW
CA4-0000-M23-003-1	P44	3 of 3	75pr/24awg TIW
CA4-0000-M30-000-1	Di-Group A 4 Banks	Set 2	100pr/24awg TIW
This set includes the following cables			
CA4-0000-M30-001-1	P40	1 of 2	100pr/24awg TIW
CA4-0000-M30-002-1	P42	2 of 2	100pr/24awg TIW
CA4-0000-M31-000-1	Di-Group B 4 Banks	Set 2	100pr/24awg TIW
This set includes the following cables			
CA4-0000-M31-001-1	P40	1 of 2	100pr/24awg TIW
CA4-0000-M31-002-1	P42	2 of 2	100pr/24awg TIW
CA4-0000-M32-000-1	Di-Group A 3 Banks	Set 3	100pr/24awg TIW
This set includes the following cables			
CA4-0000-M32-001-1	P40	1 of 3	100pr/24awg TIW
CA4-0000-M32-002-1	P42	2 of 3	100pr/24awg TIW
CA4-0000-M32-003-1	P44	3 of 3	100pr/24awg TIW
CA4-0000-M33-000-1	Di-Group A 4 Banks	Set 3	100pr/24awg TIW
This set includes the following cables			
CA4-0000-M33-001-1	P40	1 of 3	100pr/24awg TIW
CA4-0000-M33-002-1	P42	2 of 3	100pr/24awg TIW
CA4-0000-M33-003-1	P44	3 of 3	100pr/24awg TIW
CA4-0000-M34-000-1	Di-Group A 5 Banks	Set 2	125pr/24awg TIW
This set includes the following cables			
CA4-0000-M34-001-1	P40	1 of 2	125pr/24awg TIW
CA4-0000-M34-002-1	P42	2 of 2	125pr/24awg TIW
CA4-0000-M35-000-1	Di-Group B 5 Banks	Set 2	125pr/24awg TIW
This set includes the following cables			
CA4-0000-M35-001-1	P40	1 of 2	125pr/24awg TIW
CA4-0000-M35-002-1	P42	2 of 2	125pr/24awg TIW

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

PULSECOM D4 CHANNEL BANK

Pulsecom Cable Kit with Terminal Block

Cable Kit Set with Terminal Block/Horizontal/SMAS

CSI Tech Part No.	Description	Cable Type
CA4-0000-K95-000-1	Pulsecom D4 cable kit with D4 terminal block Di-Grp A and B, Qty 9	
This Kit includes the following Cable Assemblies:		
BRS-1624-196-W77-1	D4 Terminal Block (Ref. Telzon# 464-1068-001), Qty 1	
CA4-0000-M04-000-1	50 Pos.(F) to 50 Pos.(F) - (E/SG) and (M/SB), Qty 4	25pr/24awg TIW
CA4-0000-M06-000-1	50 Pos. B/L (M) to 50 Pos.(F) - (T/R) and (T1/R1), Qty 4	25pr/24awg TIW
Note: All cables will be individually labeled per Pulsecom drawing SCTBH-XXX (ref# 105916)		

PULSECOM

UNITIZED D4-SMAS RIBBON CABLES

CSI Tech Part No.	PULSECOM Part No.	Description
CA7-0000-K02-000-2	N/A	D-4 SMAS Ribbon Cables, 7ft Bays 1-5 (Adjacent), Set of 3
CA7-0000-K04-000-2	D105966-1,2,3,4	D4-SMAS Ribbon Cables, 9ft Bays 1-5 (Adjacent), Set of 4
CA7-0000-K42-000-1	D-105965-2,3	D4-SMAS Ribbon Cables, 7ft Bays (1/2 Non-Adjacent), Set of 5
CA7-0000-K43-000-1	D-105965-1,3	D4-SMAS Ribbon Cables, 7ft Bays (2/3 Non-Adjacent), Set of 5
CA7-0000-K44-000-1	D-105965-1,3	D4-SMAS Ribbon Cables, 7ft Bays (3/4 Non-Adjacent), Set of 5
CA7-0000-K45-000-1	D-105965-1,2	D4-SMAS Ribbon Cables, 7ft Bays (4/5 Non-Adjacent), Set of 5
CA7-0000-K62-000-1	D-105966-2,3,4	D4-SMAS Ribbon Cables, 9ft Bays (1/2 Non-Adjacent), Set of 6
CA7-0000-K63-000-1	D-105966-1,3,4	D4-SMAS Ribbon Cables, 9ft Bays (2/3 Non-Adjacent), Set of 6
CA7-0000-K64-000-1	D-105966-1,2,4	D4-SMAS Ribbon Cables, 9ft Bays (3/4 Non-Adjacent), Set of 6
CA7-0000-K65-000-1	D-105966-1,2,3	D4-SMAS Ribbon Cables, 9ft Bays (4/5 Non-Adjacent), Set of 6
CA8-5965-100-000-2	D-105965-1	D4-SMAS Ribbon, 7ft Bays, 58in
CA8-5965-101-MOD-2	N/A	D-4 Unitized Modified (1/2 Non-Adjacent), 16 3/8in
CA8-5965-102-MOD-2	N/A	D-4 Unitized Modified (1/2 Non-Adjacent), 11 5/8in
CA8-5965-200-000-2	D-105965-2	D4-SMAS Ribbon, 7ft Bays, 108in
CA8-5965-201-MOD-2	N/A	D-4 Unitized Modified (2/3 Non-Adjacent), 16 3/8in
CA8-5965-202-MOD-2	N/A	D-4 Unitized Modified (2/3 Non-Adjacent), 62 1/8in
CA8-5965-203-MOD-2	N/A	D-4 Unitized Modified (3/4 Non-Adjacent), 65 5/8in
CA8-5965-204-MOD-2	N/A	D-4 Unitized Modified (3/4 Non-Adjacent), 7 7/8in
CA8-5965-300-000-2	D-105965-3	D4-SMAS Ribbon, 7ft Bays, 62in
CA8-5965-301-MOD-2	N/A	D-4 Unitized Modified (4/5 Non-Adjacent), 16 3/8in
CA8-5965-302-MOD-2	N/A	D-4 Unitized Modified (4/5 Non-Adjacent), 16 7/8in
CA8-5966-100-000-2	D-105966-1	D4-SMAS Ribbon, 9ft Bays, 58 7/8in
CA8-5966-101-MOD-2	N/A	D-4 Unitized Modified (1/2 Non-Adjacent), 20 7/8in
CA8-5966-102-MOD-2	N/A	D-4 Unitized Modified (1/2 Non-Adjacent), 5 1/8in
CA8-5966-200-000-2	D-105966-2	D4-SMAS Ribbon 9ft Bays, 62 5/8in
CA8-5966-201-MOD-2	N/A	D-4 Unitized Modified (2/3 Non-Adjacent), 20 7/8in
CA8-5966-202-MOD-2	N/A	D-4 Unitized Modified (2/3 Non-Adjacent), 12 3/8in
CA8-5966-300-000-2	D-105966-3	D4-SMAS Ribbon, 9ft Bays, 67 1/8in
CA8-5966-301-MOD-2	N/A	D-4 Unitized Modified (3/4 Non-Adjacent), 20 7/8in
CA8-5966-302-MOD-2	N/A	D-4 Unitized Modified (3/4 Non-Adjacent), 16 7/8in
CA8-5966-400-000-2	D-105966-4	D4-SMAS Ribbon, 69 3/8in
CA8-5966-401-MOD-2	N/A	D-4 Unitized Modified (4/5 Non-Adjacent), 20 7/8in
CA8-5966-402-MOD-2	N/A	D-4 Unitized Modified (4/5 Non-Adjacent), 18 5/8in
CA8-9507-100-000-2	D-509507-1	D4-SMAS Ribbon, 7ft Bays, 14 1/8in
CA8-9507-200-000-2	D-509507-2	D4-SMAS Ribbon, 9ft Bays, 18 5/8in
CA8-9507-300-000-2	D-509507-3	D4-SMAS Ribbon, 11ft Bays, 23 1/8in

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

PULSECOM
UNITIZED D4-SMAS RIBBON CABLES

CSI Tech Part No.	PULSECOM Part No.	Description
CA7-0000-K03-000-2	D-105943-1,2,3	P-SMAS Ribbon Cables, 7ft Bays 1-5 (Adjacent), Set of 3
CA7-0000-K05-000-2	D-105944-1,2,3,4	P-SMAS Ribbon Cables, 9ft Bays 1-5 (Adjacent), Set of 4
CA7-0000-K46-000-1	D-105943-2,3	P-SMAS Ribbon Cables, 7ft Bays (1/2 Non-Adjacent), Set of 5
CA7-0000-K47-000-1	D-105943-1,3	P-SMAS Ribbon Cables, 7ft Bays (2/3 Non-Adjacent), Set of 5
CA7-0000-K48-000-1	D-105943-1,3	P-SMAS Ribbon Cables, 7ft Bays (3/4 Non-Adjacent), Set of 5
CA7-0000-K49-000-1	D-105943-1,2	P-SMAS Ribbon Cables, 7ft Bays (4/5 Non-Adjacent), Set of 5
CA7-0000-K66-000-1	D-105944-2,3,4	P-SMAS Ribbon Cables, 9ft Bays (1/2 Non-Adjacent), Set of 6
CA7-0000-K67-000-1	D-105944-1,3,4	P-SMAS Ribbon Cables, 9ft Bays (2/3 Non-Adjacent), Set of 6
CA7-0000-K68-000-1	D-105944-1,2,4	P-SMAS Ribbon Cables, 9ft Bays (3/4 Non-Adjacent), Set of 6
CA7-0000-K69-000-1	D-105944-1,2,3	P-SMAS Ribbon Cables, 9ft Bays (4/5 Non-Adjacent), Set of 6
CA8-5943-100-000-2	D-105943-1	P-SMAS Ribbon MTCE Interconnect , 7ft Bays, 51 1/2in
CA8-5943-101-MOD-2	N/A	MTCE Interconnect Modified, 7ft Bays (1/2 Non-Adjacent), 13 1/8in
CA8-5943-102-MOD-2	N/A	MTCE Interconnect Modified, 7ft Bays (1/2 Non-Adjacent), 9 5/8in
CA8-5943-200-000-2	D-105943-2	P-SMAS Ribbon MTCE Interconnect , 7ft Bays, 108 5/8in
CA8-5943-201-MOD-2	N/A	MTCE Interconnect Modified, 7ft Bays (2/3 Non-Adjacent), 13 1/8in
CA8-5943-202-MOD-2	N/A	MTCE Interconnect Modified, 7ft Bays (2/3 Non-Adjacent), 66 3/8in
CA8-5943-203-MOD-2	N/A	MTCE Interconnect Modified, 7ft Bays (3/4 Non-Adjacent), 60 5/8in
CA8-5943-204-MOD-2	N/A	MTCE Interconnect Modified, 7ft Bays (3/4 Non-Adjacent), 16 5/8in
CA8-5943-300-000-2	D-105943-3	P-SMAS Ribbon MTCE Interconnect, 7ft Bays, 58in
CA8-5943-301-MOD-2	N/A	MTCE Interconnect Modified, 7ft Bays, (4/5 Non-Adjacent), 15 3/8in
CA8-5943-302-MOD-2	N/A	MTCE Interconnect Modified, 7ft Bays, (4/5 Non-Adjacent), 13 3/8in
CA8-5944-100-000-2	D-105944-1	P-SMAS Ribbon MTCE Interconnect, 9ft Bays, 51 7/8in
CA8-5944-101-MOD-2	N/A	MTCE Interconnect Modified, 9ft Bays, (1/2 Non-Adjacent), 18 1/8in
CA8-5944-102-MOD-2	N/A	MTCE Interconnect Modified, 9ft Bays, (1/2 Non-Adjacent), 5 1/8in
CA8-5944-200-000-2	D-105944-2	P-SMAS Ribbon MTCE Interconnect, 9ft Bays, 68 1/8in
CA8-5944-201-MOD-2	N/A	MTCE Interconnect Modified, 9ft Bays (2/3 Non-Adjacent), 20 7/8in
CA8-5944-202-MOD-2	N/A	MTCE Interconnect Modified, 9ft Bays (2/3 Non-Adjacent), 18 5/8in
CA8-5944-300-000-2	D-105944-3	P-SMAS Ribbon MTCE Interconnect, 9ft Bays, 67 1/2in
CA8-5944-301-MOD-2	N/A	MTCE Interconnect Modified, 9ft Bays (3/4 Non-Adjacent), 20in
CA8-5944-302-MOD-2	N/A	MTCE Interconnect Modified, 9ft Bays (3/4 Non-Adjacent), 13 3/8in
CA8-5944-400-000-2	D-105944-4	P-SMAS Ribbon MTCE Interconnect, 9ft Bays, 68 1/8in
CA8-5944-401-MOD-2	N/A	MTCE Interconnect Modified, 9ft Bays (4/5 Non-Adjacent), 19 5/8in
CA8-5944-402-MOD-2	N/A	MTCE Interconnect Modified, 9ft Bays (4/5 Non-Adjacent), 18 3/8in
CA8-9646-100-000-2	D-509646-1	P-SMAS Ribbon, 7ft Bays, 11 1/8in
CA8-9646-200-000-2	D-509646-2	P-SMAS Ribbon, 9ft Bays, 15 3/4in
CA8-9646-300-000-2	D-509646-3	P-SMAS Ribbon, 11ft Bays, 20 7/8in

RAYCHEM
MINIPLEX SHELF


CSI Tech Part No.	Description	Cable Type
CA4-0000-191-000-1	DSL,Line 1/2 prs S/E F std entry, Set 3	25pr/24awg
CA4-0000-193-000-1	DSL,Line 1/2 prs S/E F rev entry, Set 3	25pr/24awg
CA4-0000-661-000-1	DSL,Line 1/2 prs S/E F std entry	75pr/24awg
CA4-0000-663-000-1	DSL,Line 1/2 prs S/E F rev entry	75pr/24awg
CA4-0000-666-000-1	DSL,Line 1/2 prs D/E F rev entry	75pr/24awg
CA6-0000-K23-000-1	DSL Leads Lines 1-4 S/E (F), Set 2	20pr & 80pr
CA7-0000-P03-000-1	Battery & Ground Kit Ind Shelf, Kit 3	1C/14awg
CA7-0000-P07-000-2	Battery & Ground Kit, Set 7	1C/14awg

Cable assemblies w/AMP "Champ-Lok" device

std = Cable Exits Top Shelf

rev = Cable Exits Bottom of Shelf

REDCOM

CSI Tech Part No.	Description	Cable Type
CA4-0000-627-000-1	MDX Line Card Cable S/E DB9(F)	4pr/24awg T
CA4-0000-628-000-1	MDX Line w/TST Access S/E DB15(F)	6pr/24awg T

SIMPLER NETWORKS

'T' Cable Assembly

CSI Tech Part No.	SIMPLER Part No.	Description	Cable Type
CA4-0000-E47-MFF-2	N/A	D/E (M)/(F) – (F) 'T' cable to Network/MDF, 35in	32pr/24awg

**SPIRENT
COPPERMAX CABLES**



CSI Tech Part No.	SIMPLER Part No.	Description	Cable Type
WIR-0399-1FT-2PR-2	29B00017	Bulk Wire	2pr/22awg TSD
WIR-1022-1FT-RBK-2	29B000018	Bulk Wire	1pr/22awg TSD
CA4-0000-C68-TSD-1	7108-36N	3219A to SMAS 50 Pos.(M)	25pr/24awg TSD
CA4-0000-C69-TSD-1	7108-38B	3219A to SMAS 50 Pos.(M) to (F)	25pr/24awg TSD
CA4-0000-A42-TSD-1	7108-86B	3219A SYNC to EIA 530 DB25(F) to (M)	12pr/24awg TSD
CA4-0000-1R8-TSD-1	7110-18A	ASYNC to APPL., RJ45 to DB25(M)	4pr/24awg TSD
CA4-0000-1R9-TSD-1	7110-19A	ASYNC to APPL., RJ45 to DB25(F)	4pr/24awg TSD
CA4-0000-2R0-TSD-1	7110-20A	ASYNC to APPL., RJ45 to DB25(M)	4pr/24awg TSD
CA4-0000-A40-TSD-1	7112-50	COMM. CONT. to A.I. DB25(M) to (F)	12pr/24awg TSD
CA4-0000-2R1-TSD-1	7113-02A	DATAKIT to APPL., RJ45 to DB25(M)	4pr/24awg TSD
CA4-0000-2R2-TSD-1	7113-75A	DATAKIT to APPL., RJ45 to DB25(F)	4pr/24awg TSD
CA4-0000-A43-TSD-1	7114-87	Synchronous Cable, DB25(M) to (M)	12pr/24awg TSD
CA4-0000-A44-TSD-1	7114-88	Synchronous Cable, DB25(M) to (F)	12pr/24awg TSD
CA4-0000-A38-TSD-1	7121-66P	ETHERNET CABLE, RJ45 to RJ45	4pr/24awg PLM TSD
CA4-0000-C58-TSD-1	7123-98	/A to /E, 50 Pos.(M) to 50 Pos. Rev. (F)	25pr/24awg TSD
CA4-0000-B35-TSD-1	7123-99	TEST BUS Cable, 50 Pos.(M) to 50 Pos. Rev. (F)	25pr/24awg TSD
CA4-0000-C57-TSD-1	7124-04	/A to /E, 50 Pos.(M) to (F)	25pr/24awg TSD
CA4-0000-C61-TSD-1	7124-05	TEST BUS Cable, 50 Pos.(M) to (M)	25pr/24awg TSD
CA4-0000-C59-TSD-1	7124-17	TEST BUS Cable 50 Pos. Rev. (M) to 50 Pos. Rev. (F)	25pr/24awg TSD
CA4-0000-A37-TSD-1	7124-78A	TL1 CONTROL LINK, RJ45 to RJ45	4pr/24awg PLM TSD
CA4-0000-C62-TSD-1	7124-82	3577-3578 ADAPTER Cable, 16pr used, (M) to Rev. (F)	25pr/24awg TSD
CA4-0000-C65-TSD-1	7124-83	To ASAM 50 Pos. Rev. (M) to 50 Pos.(F)	25pr/24awg TSD
CA4-0000-C64-TSD-1	7124-84	/A to ASAM 50 Pos.(F) to 50 Pos.(M)	25pr/24awg TSD
CA4-0000-B39-TSD-1	7125-58	/A to MDF 50 Pos. Rev. (M)	25pr/24awg TSD
CA4-0000-C71-TSD-1	N/A	BYPASS ADSL 50 Pos.(F) to 50 Pos.(F)	25pr/24awg TSD
CA4-0000-C73-TSD-1	N/A	/A (JE) to SPLITTER SH. (LINE)	25pr/24awg TSD
CA4-0000-C92-TSD-1	N/A	JE to MDF 50 Pos.(F) to STUB	25pr/24awg TSD
CA4-0000-B53-TSD-1	N/A	/A to (MPOAJP) MDF 50 Pos. Rev. (M) to 50 Pos.(F)	25pr/24awg TSD

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

SPIRENT**COPPERMAX / ICON APPLICATION****SINGLE 3577 RT WITH IP CONNECTION to REACT**

CSI Tech Part No.	SPIRENT Part No.	Description
CA2-0000-C98-TSD-1	7124-82A	3578 (J31) to 3579 (J20)
CA4-0000-40A-TSD-1	7126-93	3578 (J99) to 3579 (J83)
CA4-0000-C58-TSD-1	7123-98	3577 (J20) to 3579 (J31)
CA4-0000-40A-TSD-1	7126-93	3577 (J99) to 3579 (J85)
CA4-0000-40A-TSD-1	7126-93	3579 (J88) to ROUTER

SPIRENT**COPPERMAX / ICON APPLICATION****SINGLE 3577 RT W/ASYNC****CONNECTION to REACT**

CSI Tech Part No.	SPIRENT Part No.	Description
CA2-0000-C98-TSD-1	7124-82A	3578 (J31) to 3579 (J20)
CA4-0000-40A-TSD-1	7126-93	3578 (J99) to 3579 (J83)
CA4-0000-C58-TSD-1	7123-98	3577 (J20) to 3579 (J31)
CA4-0000-43A-TSD-1	7126-94	3579 (J42) to ASYNC MODEM

SPIRENT**COPPERMAX / ICON APPLICATION****DUAL 3577 RTs WITH IP CONNECTION to REACT**

CSI Tech Part No.	SPIRENT Part No.	Description
CA2-0000-C98-TSD-1	7124-82A	3578 (J31) to 3579 (J20)
CA4-0000-40A-TSD-1	7126-93	3578 (J99) to 3579 (J83)
CA4-0000-40A-TSD-1	7126-93	3577 #1 (J99) to 3579 (J81)
CA4-0000-66C-TSD-1	7127-04A	3577 #1 / 2 (J20) to 3579 (J31)
CA4-0000-40A-TSD-1	7126-93	3577 #2 (J99) to 3579 (J85)
CA4-0000-40A-TSD-1	7126-93	3579 (J87) to 3579 (J99)
CA4-0000-40A-TSD-1	7126-93	3579 (J88) to ROUTER

SPIRENT**COPPERMAX / ICON APPLICATION****DUAL 3577 RTs WITH ASYNC CONNECTION to REACT**

CSI Tech Part No.	SPIRENT Part No.	Description
CA2-0000-C98-TSD-1	7124-82A	3578 (J31) to 3579 (J20)
CA4-0000-40A-TSD-1	7126-93	3578 (J99) to 3579 (J83)
CA4-0000-66C-TSD-1	7127-04A	3577 #1 / 2 (J20) to 3579 (J31)
CA4-0000-43A-TSD-1	7126-94	3579 (J42) to ASYNC MODEM
CA4-0000-40A-TSD-1	7126-93	3579 (J87) to 3579 (J99)

NOTE:

3578 = COPPERMAX/A SHELF
 3577 = COPPERMAX/RT SHELF
 (RT=REMOTE TEST HEAD)
 3219 A/B = MARTS SHELF
 3572 = COPPERMAX/E SHELF
 3579 = COPPERMAX/ICON SHELF

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

SPIRENT

COPPERMAX / ICON APPLICATION

3219 TEST HEAD WITH IP CONNECTION to REACT

CSI Tech Part No.	SPIRENT Part No.	Description
CA2-0000-C98-TSD-1	7124-82A	3578 (J31) to 3579 (J20)
CA2-0000-41C-TSD-1	7126-53A	3572 (J20) to 3579 (J31)
CA4-0000-40A-TSD-1	7126-93	3219 A/B (J99) to 3579 (J85)
CA4-0000-40A-TSD-1	7126-93	3578 (J99) to 3579 (J83)
CA4-0000-40A-TSD-1	7126-93	3579 (J87) to 3579 (J99)
CA4-0000-40A-TSD-1	7126-93	3579 (J88) to ROUTER

SPIRENT

COPPERMAX / ICON APPLICATION

3219 TEST HEAD WITH ASYNC CONNECTION to REACT

CSI Tech Part No.	SPIRENT Part No.	Description
CA2-0000-C98-TSD-1	7124-82A	3578 (J31) to 3579 (J20)
CA2-0000-41C-TSD-1	7126-53A	3572 (J20) to 3579 (J31)
CA4-0000-40A-TSD-1	7126-93	3578 (J99) to 3579 (J83)
CA4-0000-43A-TSD-1	7126-94	3579 (J42) to ASYNC MODEM
CA4-0000-40A-TSD-1	7126-93	3579 (J87) to 3579 (J99)

SPIRENT

TEST BUS CABLES

CSI Tech Part No.	SPIRENT Part No.	Description
CA4-0000-65C-12A-1	7127-12A	2X2 Test Bus to 3579LC
CA4-0000-67C-13A-1	7127-13A	2X1X1 Test Bus to 3579LC

NOTE:
 3578 = COPPERMAX/A SHELF
 3577 = COPPERMAX/RT SHELF
 (RT=REMOTE TEST HEAD)
 3219 A/B = MARTS SHELF
 3572 = COPPERMAX/E SHELF
 3579 = COPPERMAX/ICON SHELF

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

TELCO SYSTEMS**GENERAL CABLE ASSEMBLIES**

CSI Tech Part No.	TS Part No.	Description	Cable Type
CA4-0002-R01-000-1	820-24FC-33-028/E2	DA15(M) to (M), 18in	14C Ind. Shld.
CA4-0002-R02-000-1	820-24FC-56-024/A	RS232C CSU/LIU, 2ft	2pr/24awg
CA4-0010-R03-000-1	820-2476-C7-120/A	RS449(F) to DB25(M) / (M), 10ft	12pr/24 Bicon
CA8-0015-R04-000-1	820-2471-26-180	RJ449(F) to DB25(F), 15ft	8C/24awg
CA4-0010-R06-000-1	621-DS1-42-120/B2	T-1 DA15S(F) to RJ45(M), 10ft	2pr/24awg Ind Shld
CA4-0010-R07-000-1	820-2476-67-120/A	DB25(M) to DB25(F), 10ft	12pr/24awg Bldn

TELCO SYSTEMS**EDGE LINK 100 MULTIPLEXER**

CSI Tech Part No.	TS Part No.	Description	Cable Type
CA1-0000-X33-735-1	N/A	D/E, RA to Straight BNC, 75 ohm	1c 735
CA1-0000-X33-C00-1	N/A	D/E, RA to Straight BNC, 75 ohm	1C 735
CA6-0000-420-000-1	N/A	ABAM - 64 Pos.(M), S/E (IN)	32pr/26awg
CA6-0000-D36-000-1	N/A	ABAM - 64 Pos.(M), S/E (OUT)	32pr/26awg
CA4-0000-D37-000-1	N/A	ABAM - 64 Pos.(M), S/E (IN)	32pr/24awg
CA4-0000-457-000-1	N/A	ABAM - 64 Pos.(M), S/E (IN)	32pr/22awg
CA4-0000-D38-REV-1	N/A	ABAM - 64 Pos.(M), S/E (OUT), Rev. Entry	32pr/24awg
CA4-0000-D38-REV-1	N/A	ABAM - 64 Pos.(M) / (M), S/E (OUT), Rev. Entry	32pr/22awg
CA6-0000-D03-000-1	N/A	ABAM - 64 Pos.(M), D/E (IN)	32pr/26awg
CA6-0000-D18-000-1	N/A	ABAM - 64 Pos.(M), D/E (OUT)	32pr/26awg
CA6-0010-17R-000-2	N/A	D/E RJ45 (M) to DB-9 (F)	Craft Term.

TELLABS

TITAN 5500 - LOW DENSITY DS1



TELLABS No.	CSI Tech Part No.	Description	Cable Type
N/A	CA6-0000-565-000-1	D/E (M) DS1 45° Metal Hood	25pr/26awg
N/A	CA6-0000-566-000-1	D/E (M) DS1 90° Metal Hood	25pr/26awg
50.163XXX	CA4-0000-576-000-1	S/E (M) DS1 90° Metal Hood	25pr/24awg
50.164XXX	CA4-0000-721-000-1	S/E (M) DS1 45° Metal Hood	25pr/24awg
50.163XXX	CA6-0000-576-000-1	S/E (M) DS1 90° Metal Hood	25pr/26awg
50.164XXX	CA6-0000-721-000-1	S/E (M) DS1 45° Metal Hood	25pr/26awg
N/A	CA4-0000-9R1-TSD-1	D/E DB25(M)	9pr/24awg
N/A	CA4-0000-9R2-TSD-1	D/E DB25(M)	9pr/24awg

TELLABS

DS1 OCTAL PORT BAY

CSI Tech Part No.	TELLABS Part No.	Description	Cable Type
CA6-0000-E18-00R-1	50.181XXX	S/E 64 Pos.(M) Hood Kit	32pr/26awg
CA6-0000-E19-00L-1	50.183XXX	S/E 64 Pos.(M) / (M) Hood Kit	32pr/26awg
CA2-0000-E32-00R-1	N/A	S/E 64 Pos.(M) Hood Kit	32pr/22awg
CA2-0000-E33-00L-1	N/A	S/E 64 Pos.(M) Hood Kit	32pr/22awg
CA4-0000-E19-00L-1	N/A	S/E 64 Pos.(M) Hood Kit	32pr/24awg
CA4-0000-E18-00R-1	N/A	S/E 64 Pos.(M) Hood Kit	32pr/24awg

TELLABS

TITAN 532, 532L, 530B

CSI Tech Part No.	TELLABS Part No.	Description	Cable Type
CA2-0000-428-000-1	50.10XX	T1 "IN"	16pr/22awg
CA2-0000-T14-000-1	N/A	T1 "OUT", Rev. Entry	16pr/22awg
CA4-0010-471-000-2	50.4110	RS449 Local Interface to RS422, 10ft	12pr/24awg
CA4-0000-472-000-1	50.80XX	ASCI Term to Titan 5300 system	12pr/24awg
CA4-0025-472-000-2	50.8025	ASCI Term to Titan 5300 system, 25ft	12pr/24awg
CA4-0050-472-000-2	50.8050	ASCI Term to Titan 5300 system, 50ft	12pr/24awg
CA4-0000-473-000-1	50.81XX	Modem to Titan 5300 system	12pr/24awg
CA4-0000-488-000-1	50.411X	RS232 Local Interface to RS449	12pr/24awg
CA4-0010-488-000-2	50.4110	RS232 Local Interface to RS449, 10ft	12pr/24awg
CA4-0000-52R-000-1	N/A	D/E DB25 (M) Titan to AI Switch	9pr/24awg

TELLABS

TITAN 550

CSI Tech Part No.	TELLABS Part No.	Description	Cable Type
CA2-0000-428-000-1	50.10XX	T1 "IN"	16pr/22awg
CA2-0000-T14-000-1	N/A	T1 "OUT", Rev. Entry	16pr/22awg
CA4-0010-471-000-2	50.4110	RS449 Local Interface to RS422, 10ft	12pr/24awg
CA4-0000-472-000-1	50.80XX	ASCI Term to Titan 5300 system	12pr/24awg
CA4-0025-472-000-2	50.8025	ASCI Term to Titan 5300 system, 25ft	12pr/24awg
CA4-0050-472-000-2	50.8050	ASCI Term to Titan 5300 system, 50ft	12pr/24awg
CA4-0000-473-000-1	50.81XX	Modem to Titan 5300 system	12pr/24awg
CA4-0000-488-000-1	50.411X	RS232 Local Interface to RS449	12pr/24awg
CA4-0010-488-000-2	50.4110	RS232 Local Interface to RS449, 10ft	12pr/24awg
CA4-0000-52R-000-1	N/A	D/E DB25 (M) Titan to AI Switch	9pr/24awg

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

TELLABS ECHO CAN

CSI Tech Part No.	TELLABS Part No.	Description	Cable Type
CA6-0000-268-000-1	N/A	D/E (M) T & R Circuits 1-24	25pr/26awg
CA6-0000-269-000-1	N/A	D/E (M) T & R Circuits 1-16	16pr/26awg
CA6-0000-369-000-1	N/A	D/E (M) (2) Split DS1 (16 pr used)	12pr/26awg
CA6-0000-936-000-1	N/A	S/E (M) T & R Circuits 1-24	25pr/26awg
CA6-0000-937-000-1	N/A	S/E (M) T & R Circuits 1-16	16pr/26awg

TELLABS MISCELLANEOUS CABLES

CSI Tech Part No.	TELLABS Part No.	Description	Cable Type
CA4-0000-301-000-1	N/A	S/E 50 Pos (M) - (4) Connectors	100pr/24awg
CA4-0000-302-000-1	N/A	S/E 50 Pos (M) / (M) - (2) Connectors	50pr/24awg
CA4-0000-313-000-1	N/A	D/E 50 Pos (F), Booted & Formed	50pr/24awg
CA4-0000-314-000-1	N/A	D/E 50 Pos (F), Booted & Formed	75pr/24awg
CA6-0000-C31-000-1	N/A	D/E 50 Pos (M), (257D Shelf)	20pr/22awg
CA6-0000-C36-000-1	N/A	D/E 50 Pos Metal (M), (DSC 3-1)	12pr & 16pr
CA4-0000-647-000-1	N/A	D/E (M) Dataplex to Dantel Printer Port	9C/24awg
CA4-0000-648-000-1	N/A	D/E (M) Dataplex to Dantel Alarm Port	9C/24awg

TSAS

CSI Tech Part No.	Description	Cable Type
CA2-0000-R49-000-1	S/E DB9(M) & DB9(F) w/90° Hood, T3AS Shelf T1-Link (XMIT/REC), Set of 2	1pr/22awg TSD
CA2-0000-4R9-000-1	S/E DB9(M) w/90° Hood, T3AS Low Speed Sub-system Shelf to DCD Timing Shelf	2pr/22awg TSD 1207
CA4-0000-45R-000-1	S/E DB15(F) w/180° Metal Plastic Hood, TAD/FAD T3AS System Configuration	4pr/24awg 1107
CA4-0000-0R4-000-1	S/E DB15(M) w/45° Hood, T3AS high density Test Shelf, drain on pin 1	4pr/24awg TSD 1107
CA6-0000-0R8-000-1	S/E DB9(M) & S/E DB9(F) w/45° Hood, (XMIT & REC), T3AS Shelf T1-LINK, Set of 2	4pr/26awg 1249
CA6-0000-A41-000-1	S/E RJ45, 8 Pos., T3AS	4pr/26awg 1249
CA1-0000-Y29-C00-1	S/E R/A BNC	12C 735
CA6-0000-T15-000-1	S/E 64 Pos.(M) & (F) w/90° Hood, ADA T3AS SH.-DSX-1 (XMIT & REC), Set of 2	28pr/26awg 1249
CA2-0000-D69-REV-1	S/E 64 Pos.(M) rev. entry w/90° Hood, DS1 cable T3AS ADA, drain on pin 64	30pr/22awg 613C
CA2-0000-D68-TSD-1	S/E 64 Pos.(M) w/90° Hood, DS1 cable T3AS ADA, drain on pin 64	30pr/22awg 613C
CA2-0000-455-000-1	S/E 64 Pos.(M) w/90° Hood, 12" Extended Drain Wire	30pr/22awg 613C

ZHONE/NORTEL
ACCESSNODE ABM BAYS

CSI Tech Part No.	ZHONE Part No.	Description
CA6-0100-77R-000-1	NT4K86CA	Serial Telemetry (TBOS), 100ft
CA6-0050-77R-000-1	NT4K86CB	Serial Telemetry (TBOS), 50ft
CA6-0200-77R-000-1	NT4K86CC	Serial Telemetry (TBOS), 200ft
CA4-0100-63R-000-1	NT4K85EA	TAP/TPB, 100ft
CA4-0200-63R-000-1	NT4K85EB	TAP/TPB, 200ft
CA4-0300-63R-000-1	NT4K85EC	TAP/TPB, 300ft
CA4-0050-63R-000-1	NT4K85ED	TAP/TPB, 50ft
CA4-0016-75R-000-1	NT7E44FA	LCAP to Modem (RS-232), 16ft
CA4-0066-75R-000-1	NT7E44FB	LCAP to Modem (RS-232), 66ft
CA4-0001-76R-000-1	NT7E44MB	LCAP to Term. (Null Modem), 1ft
CA1-0017-10X-C00-1	NT7E43AA	DS3 (734 Type), 17ft
CA1-0033-10X-C00-1	NT7E43AB	DS3 (734 Type), 33ft
CA1-0066-10X-C00-1	NT7E43AC	DS3 (734 Type), 66ft
CA1-0099-10X-C00-1	NT7E43AD	DS3 (734 Type), 99ft
CA1-0132-10X-C00-1	NT7E43AE	DS3 (734 Type), 132ft
CA1-0164-10X-C00-1	NT7E43AF	DS3 (734 Type), 164ft
CA1-0197-10X-C00-1	NT7E43AG	DS3 (734 Type), 197ft
CA1-0246-10X-C00-1	NT7E43AH	DS3 (734 Type), 246ft
CA1-0263-10X-C00-1	NT7E43AJ	DS3 (734 Type), 263ft
CA1-0459-10X-C00-1	NT7E43AK	DS3 (734 Type), 459ft
CA1-0328-10X-C00-1	NT7E43AL	DS3 (734 Type), 328ft
CA4-0050-102-TFT-1	NT4K85FP	CDS Voice, 50ft
CA4-0100-102-TFT-1	NT4K85FR	CDS Voice, 100ft
CA4-0150-102-TFT-1	NT4K85FS	CDS Voice, 150ft
CA4-0200-102-TFT-1	NT4K85FT	CDS Voice, 200ft
CA4-0250-102-TFT-1	NT4K85FU	CDS Voice, 250ft
CA4-0300-102-TFT-1	NT4K85FV	CDS Voice, 300ft
CA4-0100-79R-000-1	NT4K85GA	Parallel Telemetry (TBM), 100ft
CA4-0200-79R-000-1	NT4K85GB	Parallel Telemetry (TBM), 200ft
CA4-0300-79R-000-1	NT4K85GC	Parallel Telemetry (TBM), 300ft
CA4-0050-79R-000-1	NT4K85GE	Parallel Telemetry (TBM), 50ft
CA4-0400-79R-000-1	NT4K85GF	Parallel Telemetry (TBM), 400ft

ZHONE/NORTEL**ACCESSNODE ABM BAYS**

CSI Tech Part No. .	Nortel No.	Description	Cable Type
CA4-0004-74R-000-1	NT7E44JB	CNET Cable, 4ft	
CA4-0017-74R-000-1	NT7E44JC	CNET Cable, 17ft	
CA4-0032-74R-000-1	NT7E44JK	CNET Cable, 32ft	
CA2-0100-64R-000-1	NT4K85HA	DS1, 100ft	30pr/22AWG 613B
CA2-0150-64R-000-1	NT4K85HB	DS1, 150ft	30pr/22AWG 613B
CA2-0250-64R-000-1	NT4K85HC	DS1, 250ft	30pr/22AWG 613B
CA2-0350-64R-000-1	NT4K85HD	DS1, 350ft	30pr/22AWG 613B
CA2-0450-64R-000-1	NT4K85HE	DS1, 450ft	30pr/22AWG 613B
CA2-0550-64R-000-1	NT4K85HF	DS1, 550ft	30pr/22AWG 613B
CA2-0650-64R-000-1	NT4K85HG	DS1, 650ft	30pr/22AWG 613B
CA2-0050-64R-000-1	NT4K85HH	DS1, 50ft	30pr/22AWG 613B
CA2-0200-64R-000-1	NT4K85HJ	DS1, 200ft	30pr/22AWG 613B
CA2-0100-78R-000-1	NT4K86EA	External Sync, 100ft	
CA2-0050-78R-000-1	NT4K86EB	External Sync, 50ft	
CA2-0200-78R-000-1	NT4K86EC	External Sync, 200ft	
CA2-0300-78R-000-1	NT4K86ED	External Sync, 300ft	
CA2-0600-78R-000-1	NT4K86EE	External Sync, 600ft	
CA4-0016-70R-000-1	NT7E44TA	OPC I/O Connect OPS P1/S38, 16ft	
CA4-0066-70R-000-1	NT7E44TB	OPC I/O Connect OPS P1/S38, 66ft	
CA4-0016-71R-000-1	NT7E44VA	OPC I/O Connect Slot 40, 16ft	
CA4-0066-71R-000-1	NT7E44VB	OPC I/O Connect Slot 40, 66ft	
CA4-0016-68R-000-1	NT7E44EA	Modem to OPC Port 1, 16ft	
CA4-0066-68R-000-1	NT7E44EB	Modem to OPC Port 1, 66ft	
CA4-0016-73R-000-1	NT7E44RA	VT100 to OPC Port 1, 16ft	
CA4-0066-73R-000-1	NT7E44RB	VT100 to OPC Port 1, 66ft	
CA4-0016-72R-000-1	NT7E44QA	Modem to OPC Port 1, 16ft	
CA4-0066-72R-000-1	NT7E44QB	Modem to OPC Port 1,66ft	
CA4-0016-69R-000-1	NT7E44SA	Toshiba Lap to OPC Port 1,16ft	
CA4-0066-69R-000-1	NT7E44SB	Toshiba Lap to OPC Port 1, 66ft	
CA6-0015-A32-000-1	NT4K86SA	OPC Ethernet - XTERM,15ft	
CA6-0060-A32-000-1	NT4K86SB	OPC Ethernet - XTERM, 60ft	
CA6-0120-A32-000-1	NT4K86SC	OPC Ethernet - XTERM, 120ft	
CA6-0300-A32-000-1	NT4K86SD	OPC Ethernet - XTERM, 300ft	
CA4-0004-62R-000-1	NT4K85BA	PGTC/MTA, 4ft	

**ZHONE/NORTEL
ACCESSNODE TBM BAYS**



CSI Tech Part No.	ZHONE Part No.	Description
CA4-0004-74R-000-1	NT7E44JB	CNET Cable, 4ft
CA4-0017-74R-000-1	NT7E44JC	CNET Cable, 17ft
CA4-0032-74R-000-1	NT7E44JK	CNET Cable, 32 ft
CA2-0100-78R-000-1	NT4K86EA	External Sync, 100ft
CA2-0050-78R-000-1	NT4K86EB	External Sync, 50ft
CA2-0200-78R-000-1	NT4K86EC	External Sync, 200ft
CA2-0300-78R-000-1	NT4K86ED	External Sync, 300ft
CA2-0600-78R-000-1	NT4K86EE	External Sync, 600ft
CA4-0016-70R-000-1	NT7E44TA	OPC I/O Connect OPS P1/S38, 16ft
CA4-0066-70R-000-1	NT7E44TB	OPC I/O Connect OPS P1/S38, 66ft
CA4-0016-68R-000-1	NT7E44EA	Modem to OPC Port 1, 16ft
CA4-0066-68R-000-1	NT7E44EB	Modem to OPC Port 1, 66ft
CA4-0016-73R-000-1	NT7E44RA	VT100 to OPC Port 1, 16ft
CA4-0066-73R-000-1	NT7E44RB	VT100 to OPC Port 1, 66ft
CA4-0016-72R-000-1	NT7E44QA	Modem to OPC Port 1, 16ft
CA4-0066-72R-000-1	NT7E44QB	Modem to OPC Port 1, 66ft
CA4-0016-69R-000-1	NT7E44SA	Toshiba Lap to OPC Port 1, 16ft
CA4-0066-69R-000-1	NT7E44SB	Toshiba Lap to OPC Port 1, 66ft
CA6-0015-A32-000-1	NT4K86SA	PC Ethernet - XTERM, 15ft
CA6-0060-A32-000-1	NT4K86SB	OPC Ethernet - XTERM, 60ft
CA6-0120-A32-000-1	NT4K86SC	OPC Ethernet - XTERM, 120ft
CA6-0300-A32-000-1	NT4K86SD	OPC Ethernet - XTERM, 300ft
CA6-0100-77R-000-1	NT4K86CA	Serial Telemetry (TBOS), 100ft
CA6-0050-77R-000-1	NT4K86CB	Serial Telemetry (TBOS), 50ft
CA6-0200-77R-000-1	NT4K86CC	Serial Telemetry (TBOS), 200ft
CA4-0016-75R-000-1	NT7E44FA	LCAP to Modem (RS-232), 16ft
CA4-0066-75R-000-1	NT7E44FB	LCAP to Modem (RS-232), 66ft
CA4-0001-76R-000-1	NT7E44MB	LCAP to Term. (Null Modem), 1ft
CA1-0017-10X-C00-1	NT7E43AA	DS3 (734 Type), 17ft
CA1-0033-10X-C00-1	NT7E43AB	DS3 (734 Type), 33 ft
CA1-0066-10X-C00-1	NT7E43AC	DS3 (734 Type), 66ft
CA1-0099-10X-C00-1	NT7E43AD	DS3 (734 Type), 99ft
CA1-0132-10X-C00-1	NT7E43AE	DS3 (734 Type), 132ft
CA1-0164-10X-C00-1	NT7E43AF	DS3 (734 Type), 164ft
CA1-0197-10X-C00-1	NT7E43AG	DS3 (734 Type), 197ft
CA1-0246-10X-C00-1	NT7E43AH	DS3 (734 Type), 246ft
CA1-0263-10X-C00-1	NT7E43AJ	DS3 (734 Type), 263ft
CA1-0459-10X-C00-1	NT7E43AK	DS3 (734 Type), 459ft
CA1-0328-10X-C00-1	NT7E43AL	DS3 (734 Type), 328ft

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ZHONE/NORTEL

ACCESSNODE TBM BAYS

CSI Tech Part No.	ZHONE Part No.	Description	Cable Type
CA4-0006-65R-000-1	NT7E44DD	Internal Modem to OPC Port 1, 6ft	
CA6-0049-66R-000-1	NT7E40CA	DS1, 49ft	14pr/26awg 1249C
CA6-0148-66R-000-1	NT7E40CB	DS1, 148ft	14pr/26awg 1249C
CA6-0246-66R-000-1	NT7E40CC	DS1, 246ft	14pr/26awg 1249C
CA6-0345-66R-000-1	NT7E40CD	DS1, 345ft	14pr/26awg 1249C
CA6-0446-66R-000-1	NT7E40CE	DS1, 446ft	14pr/26awg 1249C
CA6-0024-66R-000-1	NT7E40CG	DS1, 24ft	14pr/26awg 1249C
CA6-0095-66R-000-1	NT7E40CH	DS1, 95ft	14pr/26awg 1249C
CA6-0197-66R-000-1	NT7E40CJ	DS1, 197ft	14pr/26awg 1249C
CA6-0300-66R-000-1	NT7E40CK	DS1, 300ft	14pr/26awg 1249C
CA6-0390-66R-000-1	NT7E40CL	DS1, 390ft	14pr/26awg 1249C
CA2-0049-67R-000-1	NT7E40BA	DS1, 49ft	14pr/22awg 608C
CA2-0148-67R-000-1	NT7E40BB	DS1, 148ft	14pr/22awg 608C
CA2-0246-67R-000-1	NT7E40BC	DS1, 246ft	14pr/22awg 608C
CA2-0345-67R-000-1	NT7E40BD	DS1, 345ft	14pr/22awg 608C
CA2-0446-67R-000-1	NT7E40BE	DS1, 446ft	14pr/22awg 608C
CA2-0546-67R-000-1	NT7E40BF	DS1, 546ft	14pr/22awg 608C
CA2-0643-67R-000-1	NT7E40BG	DS1, 643ft	14pr/22awg 608C
CA2-0024-67R-000-1	NT7E40BL	DS1, 24ft	14pr/22awg 608C
CA2-0095-67R-000-1	NT7E40BM	DS1, 95ft	14pr/22awg 608C
CA2-0197-67R-000-1	NT7E40BN	DS1, 197ft	14pr/22awg 608C
CA2-0300-67R-000-1	NT7E40BP	DS1, 300ft	14pr/22awg 608C
CA2-0390-67R-000-1	NT7E40BQ	DS1, 390ft	14pr/22awg 608C
CA2-0497-67R-000-1	NT7E40BR	DS1, 497ft	14pr/22awg 608C
CA2-0591-67R-000-1	NT7E40BS	DS1, 591ft	14pr/22awg 608C
CA4-0016-81R-000-1	NT7E44XA	OPC to Port 2 to Term./Rem., 16ft	
CA4-0066-81R-000-1	NT7E44XB	OPC to Port 2 to Term./Rem., 66ft	
CA4-0100-79R-000-1	NT4K85GA	Parallel Telemetry (TBM), 100ft	
CA4-0200-79R-000-1	NT4K85GB	Parallel Telemetry (TBM), 200ft	
CA4-0300-79R-000-1	NT4K85GC	Parallel Telemetry (TBM), 300ft	
CA4-0050-79R-000-1	NT4K85GE	Parallel Telemetry (TBM), 50ft	
CA4-0400-79R-000-1	NT4K85GF	Parallel Telemetry (TBM), 400ft	

ZHONE/NHC

AUTO/MDF APPLICATIONS

Version-East

CSI Tech Part No.	Description	Application
CA6-0050-38D-NHC-2	128 ckt MDF Terminal Block Designed for 8 X 32 CTB e/w (4) 64 Pos (M)	50 ft fixed length assembly consisting of (1) 64pr/26ga NHC CP5400 ca assy OKI G130FA conn (1) to (2) 64 pos (F) (2) cable assemblies required per block
CA6-0000-38D-NHC-1	128 ckt MDF Terminal Block Designed for 8 X 32 CTB e/w (4) 64 pos (M)	(1) 64pr/26ga NHC CP5400 ca assy OKI G130FA conn (1) to (2) 64 Pos (F) (2) cable assemblies required per block
CA6-0000-H75-520-1	NHC p/n CP0520	50pr/26ga OKI G105 conn to stub
CA6-0000-H76-558-1	NHC p/n CP0558	64pr/26ga OKI G130 conn to stub
CA6-0015-H98-50P-2	Interlink Cable CP5400	15 ft fixed length assembly 20 cas per system to link (2) systems

Verizon-Florida

CA6-0050-H54-NHC-2	192 ckt MDF Terminal Block Designed for 12 X 32 CTB e/w (8) 50 pos (M)	50 ft fixed length assembly (3) 64pr/26ga NHC CP5400 ca assy OKI G130FA conn (3) to (8) 50 pos Back to Back (M) / (F) conn
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Verizon-Texas

CSI Tech Part No.	Description	Application
CA6-0050-H56-NHC-2	(2) 96 ckt MDF Terminal Blocks Designed for 8 X 24 CTB e/w (4) 50 pos (M)	50 ft fixed length assembly (3) 64pr/26ga NHC CP5400 ca assy OKI G130FA conn (3) to (8) 50 pos Back to Back (M) / (F) conn

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

Premise Wiring and Enterprise Optical Interconnect Solutions Reliability For Communications Connectivity

In any communications environment, wireless solutions and 'wired' copper and fiber interconnect solutions co-exist in the main site data center, intermediate distribution hubs and structured wiring plan.

CSI Technologies - Optical-Connectivity Solutions offers fiber optic products especially designed for each area of the campus. This brochure discusses our high reliability solutions for the main data center housing the critical server and

storage needs of the business. Whether in the Premise Wiring Environment or the Data Center Environment, CSI Technologies has optical cable solutions for you.

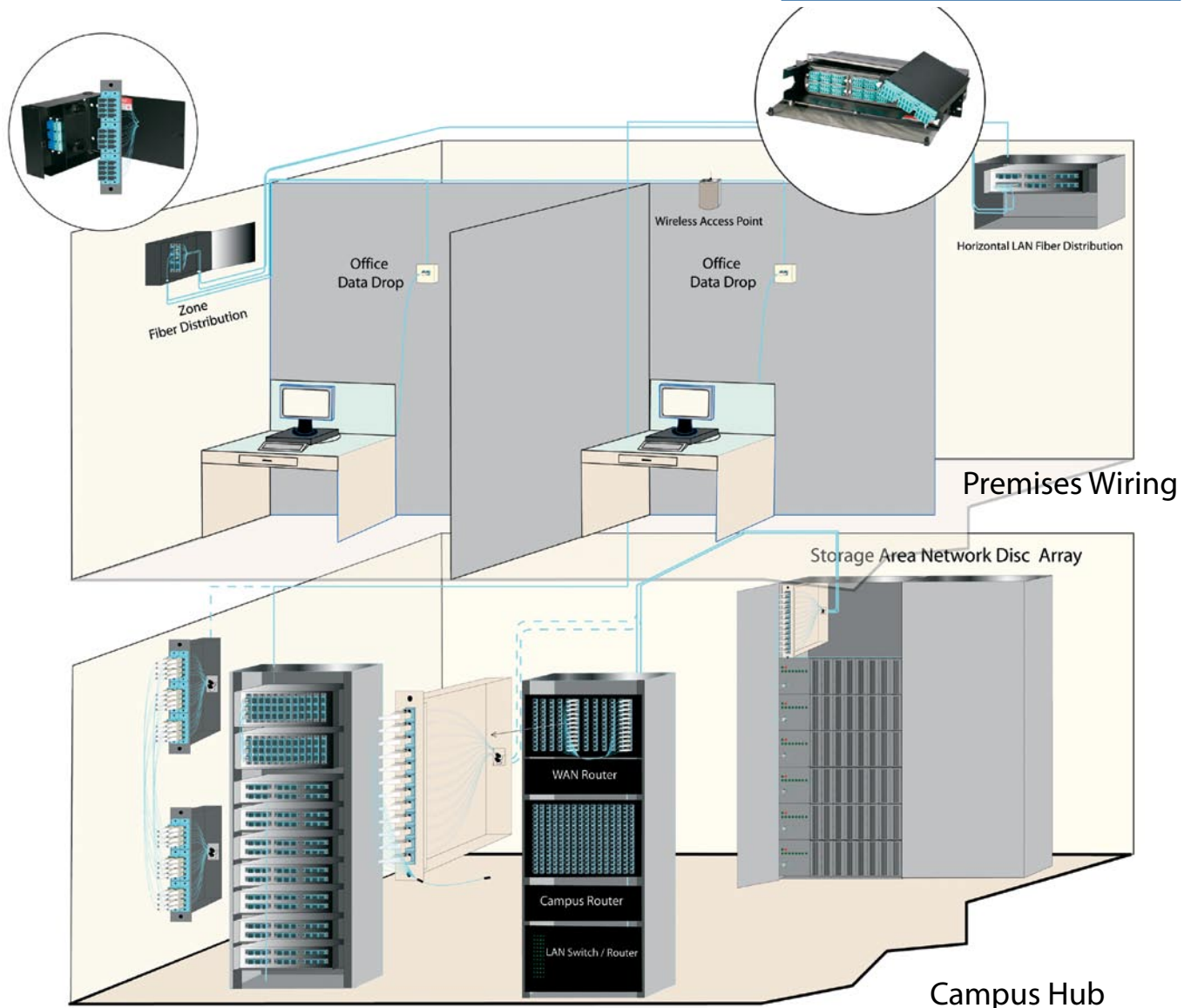
Glass Type Information

CSI Technologies' fiber optic glass type speeds are indicated in each product part number chart by colored columns. The following colors designate each of the glass types:

- 62.5/125 (OM1)
- 50/125 (OM2)
- 50/125 (OM3)-10 Gbps @ 300 m, Serial 850nm
- 9/125 Singlemode

PREMISE OR ENTERPRISE: YOUR CHOICE.

Whether it's a high-reliability data center or the trading floor; premise-wiring in the office or fiber-to-the-curb; outside plant cabling or ruggedized, high-flexibility solutions, there is no single fiber optic environment. Every application has an appropriate fiber optic solution. And while an expert in one application may not be in another, CSI Technologies is your trusted datacenter expert for any environment.



Premise Wiring Product Series Jumper Cable Assemblies

PREMISE PRODUCTS: COMPETITIVELY PRICED INTERCONNECT SOLUTIONS OFFERING EXCEPTIONAL ROBUSTNESS AND RELIABILITY.

Whether you need a few standard assembly lengths or hundreds of custom configurations and lengths, our internal manufacturing process has the flexibility and capacity to deliver in a matter of days, not weeks.

While our list of standard jumper assemblies reflects the commonly purchased assembly configurations, custom configurations are accepted and are the backbone of our service model for the cable assembly business.

CONNECTOR TYPES

The CSI Technologies standard connectors are shown below. Other connectors available include: E2000, FC, FC/APC, MU, LC/APC, FDDI and SMA905/906. Staggered leg lengths, custom numbering, colors and packaging are available upon request. When you need the right premise wiring fiber cable built to your exact needs, count on us.



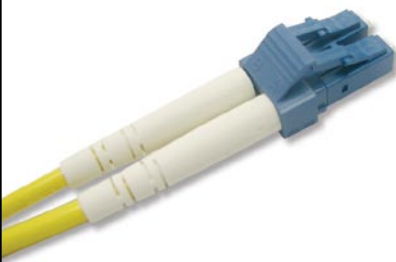
ST Type (Duplex) – Singlemode



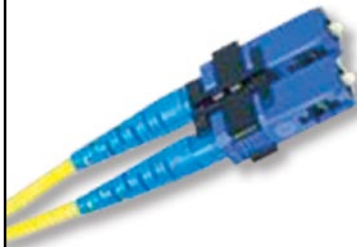
ST Type (Duplex) – Multimode



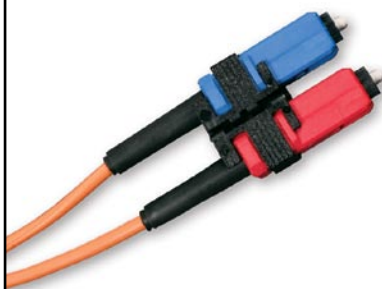
LC Duplex – Singlemode



SC Duplex – Singlemode



SC Duplex – Multimode



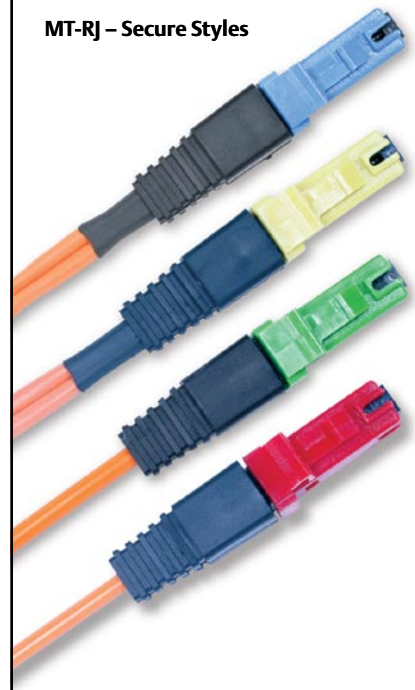
LC Duplex – Multimode



MT-RJ – Singlemode & Multimode



MT-RJ – Secure Styles



Connectors shown are representative of connector types. Actual connectors may differ from those shown in photographs.



JUMPER ASSEMBLIES

We offer jumper assemblies with UL-rated Riser or Plenum Cable. Low Smoke / Zero Halogen cable assemblies available upon request.

Standard Premise Wiring Fiber Optic Cable Assemblies					
Description Jumper Descriptions	Ceramic Ferrule - Part Numbers*				Cable Flammability Rating Underwriters Laboratory Rating
	Glass Type				
	62.5/125	50/125	50/125 OM3	9/125	
Duplex, ST to ST	VAA2P1xxM	VAA2P4xxM	VAA2P6xxM	VAA2P2xxM	UL Riser (ONFR)
Duplex, SC to SC	VCC2P1xxM	VCC2P4xxM	VCC2P6xxM	VCC2P2xxM	UL Riser (ONFR)
Duplex, ST to SC	VAC2P1xxM	VAC2P4xxM	VAC2P6xxM	VAC2P2xxM	UL Riser (ONFR)
Duplex, LC to LC	V662P1xxM	V662P4xxM	V662P6xxM	V662P2xxM	UL Riser (ONFR)
Duplex, LC to ST	V6A2P1xxM	V6A2P4xxM	V6A2P6xxM	V6A2P2xxM	UL Riser (ONFR)
Duplex, LC to SC	V6C2P1xxM	V6C2P4xxM	V6C2P6xxM	V6C2P2xxM	UL Riser (ONFR)
MT-RJ to MT-RJ	V332P1xxM	V332P4xxM	V332P6xxM	V332P2xxM	UL Riser (ONFR)
MT-RJ to Duplex ST	V3A2P1xxM	V3A2P4xxM	V3A2P6xxM	V3A2P2xxM	UL Riser (ONFR)
Duplex, MT-RJ to SC	V3C2P1xxM	V3C2P4xxM	V3C2P6xxM	V3C2P2xxM	UL Riser (ONFR)
Duplex, MT-RJ to LC	V362P1xxM	V362P4xxM	V362P6xxM	V362P2xxM	UL Riser (ONFR)
Duplex, ST to ST	VAA2M1xxM	VAA2M4xxM	VAA2M6xxM	VAA2M2xxM	UL Plenum (OFNP)
Duplex, SC to SC	VCC2M1xxM	VCC2M4xxM	VCC2M6xxM	VCC2M2xxM	UL Plenum (OFNP)
Duplex, ST to SC	VAC2M1xxM	VAC2M4xxM	VAC2M6xxM	VAC2M2xxM	UL Plenum (OFNP)
Duplex, LC to LC	V662M1xxM	V662M4xxM	V662M6xxM	V662M2xxM	UL Plenum (OFNP)
Duplex, LC to ST	V6A2M1xxM	V6A2M4xxM	V6A2M6xxM	V6A2M2xxM	UL Plenum (OFNP)
Duplex LC to SC	V6C2M1xxM	V6C2M4xxM	V6C2M6xxM	V6C2M2xxM	UL Plenum (OFNP)
MT-RJ to MT-RJ	V332M1xxM	V332M4xxM	V332M6xxM	V332M2xxM	UL Plenum (OFNP)
MT-RJ to Duplex ST	V3A2M1xxM	V3A2M4xxM	V3A2M6xxM	V3A2M2xxM	UL Plenum (OFNP)
Duplex, MT-RJ to SC	V3C2M1xxM	V3C2M4xxM	V3C2M6xxM	V3C2M2xxM	UL Plenum (OFNP)
Duplex MT-RJ to LC	V362M1xxM	V362M4xxM	V362M6xxM	V362M2xxM	UL Plenum (OFNP)

***Notes on Part Numbers:**
 xx = length in meters (example: 01 = 1 meter; 10 = 10 meters. Standard lengths are: 1,2,3,4,5,6,7,8,9,10,15,20,30 meters).
 Ceramic ferrule applies to all except MT-RJ. MT ferrules are molded, glass-filled resin.

Premise Wiring Product Series

Wall Mount (WAC) Enclosure Series

THE WALL MOUNT ENCLOSURE SERIES

These WAC Series enclosures support the STANDARD footprint adapters and “Plug and Play” style cassettes, offering over 70 different connection configurations. From a single-panel design to a full-function 12-panel enclosure, these robust, 16-gauge steel units feature convenient quarter-turn door fasteners and offer a provision for locking. All enclosures are black powder-coated with a long-lasting, rust-resistant finish.

For splicing applications, we offer a 12 and 24-fiber tray design (see page 12). If these enclosures do not suit your particular application, we offer custom enclosure design and manufacturing services.

Wall Mount Enclosure (WAC) Series	
Part Number	Product Description
WAC-1X	1 Panel Wall Mount
WAC-2X	2 Panel Wall Mount
WAC-4X	4 Panel Wall Mount
WAC-12X	12 Panel Wall Mount

2-panel Wall Mount Enclosure (Shown with 2 panels) - WAC-2X



4-panel Wall Mount Enclosure (Shown with 4 panels) - WAC-4X



VERSATILITY FOR ANY APPLICATION: THESE ENCLOSURES MOUNT TO THE WALL, UNDER-FLOOR OR UNDER-CEILING.

While a majority of the applications for these enclosures call for wall-mounting, customers also find these units suitable for tight under-floor or ceiling applications. With interior room for cable storage and splice or direct termination capability, these enclosures are just right for many installation locations in the premise wiring environment.

1 Panel Wall Mount - WAC-1X



12 Panel Wall Mount - WAC-12X



Premise Wiring Product Series

Rack Mount (RAC) Enclosure Series

THE RACK MOUNT ENCLOSURE SERIES

The RAC-series enclosures support 19" and 23" rack mounting applications. Built of 16-gauge steel for strength and robustness, the enclosures are black powder-coated for a long-lasting, rust resistant finish. All RAC-series enclosures use the STANDARD adapter footprint, based on the 4.687 inch (11.9 cm) hole-to-hole spacing.

The 2U and 4U enclosures feature removable, see-through doors, and certain models offer sliding trays for more convenient installations.

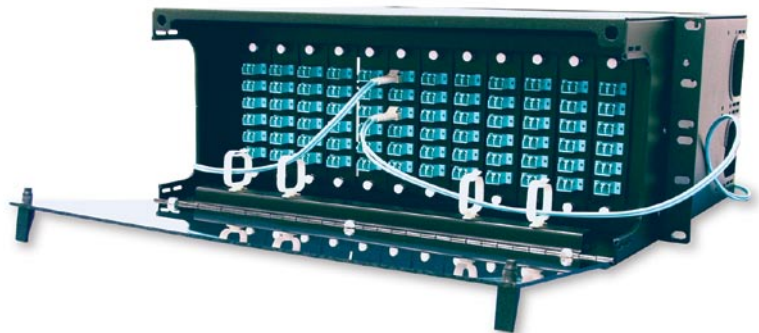
Extended depth enclosures allow more working room for splicing applications or customers requiring more cable storage. Call us if you have a custom rack mount enclosure request.

Rack Mount (RAC) Enclosure Series	
Part Number	Product Description
RAC-1X-EXT	3 Panel - 1U Rack Mounted Enclosure
RAC-2X-EXT	6 Panel - 2U Rack Mounted Enclosure
RAC-4X-EXT	12 Panel - 4U Rack Mounted Enclosure

A RAC-2X-EXT Enclosure with an Array of Adapter Panels



A RAC-4X-EXT Enclosure Loaded w/LC Duplex Adapters for 10 Gb Ethernet Application on 50/125 OM3 Glass



A RACK SOLUTION FOR ANY APPLICATION

The RAC-series enclosures supports standard adapters (page 10), Plug and Play-style cassettes (page 11) and splicing solutions (page 12).

3 Panel – 1U Rack Mounted Enclosure w/ Sliding Tray - Part No. RAC-1X-EXT



6 Panel – 2U Rack Mounted Enclosure Part No. RAC-2X-EXT



Premise Wiring Product Series

DMAX Rack Mount Enclosure Series

THE DMAX ADVANTAGE: INTEGRATED WIRE MANAGEMENT.

As data center link density continues to rise, managing the cables becomes increasingly complex. The DMAX Series was developed with the needs of the data center installation specialist in mind. Every feature was the result of customer feedback and needs: front sliding trays with the chassis mounted to the rack; staggered connector ports for easy 'waterfall' cable management; and optional 1U wire management that moves with the sliding tray.

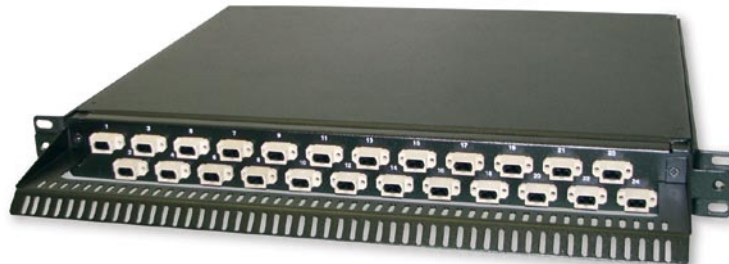
Try the DMAX enclosures on your next installation and experience the difference.

DMAX Rack Mount Enclosure Series	
Part Number	Product Description
DMAX-1X-EN-X-LOUM-16	1U, Black, 16-Port, Duplex, LC, Aqua Adapters
DMAX-1X-EN-A-LOUS-16	1U, Black, 16-Port, Duplex, LC, Blue Singlemode Adapters
DMAX-1X-EN-O-MOAM-24	1U, 24 MPO Enclosure, Loaded with Beige MTP™ Adapters w/ No Wire Management
DMAX-1X-EN-O-MOAO-24	1U, 24 MPO Enclosure, Loaded with Aqua MTP™ Adapters w/ No Wire Management
DMAX-1X-EN-O-MOAS-24	1U, 24 MPO Enclosure, Loaded with Green MTP™ Adapters w/ No Wire Management
61-0108	1U, Black, Strain Relief for 24 MPO Enclosures Above
DMAX-2X-EN-X-LOUM-16-C	2U, Black, 16-Port, Duplex, LC, Aqua Adapters w/Wire Management
DMAX-2X-EN-A-LOUS-16-C	2U, Black, 16-Port, Duplex, LC, Blue Singlemode Adapters w/Wire Management
DMAX-2X-EN-X-LOUM-32-C	2U, Black, 32-Port, Duplex, LC, Aqua Adapters w/Wire Management
DMAX-2X-EN-A-LOUS-32-C	2U, Black, 32-Port, Duplex, LC, Blue Singlemode Adapters w/Wire Management
DMAX-2X-EN-X-LOUM-32	2U, Black, 32-Port, Duplex, LC, Aqua Adapters w/ No Wire Management
DMAX-2X-EN-A-LOUS-32	2U, Black, 32-Port, Duplex, LC, Blue Singlemode Adapters w/ No Wire Management
DMAX-2X-EN-C	2U, Black, 3 Panel, No Adapters, w/Wire Management
DMAX-2X-EN	2U, Black, 3 Panel, No Adapters, w/ No Wire Management
64-0045	1U, Black, 4 Ring Standalone Wire Manager, Left and Right Pass-through
64-0046	2U, Black, 4 Ring Standalone Wire Manager, Left and Right Pass-through
64-0047	2U, Black, 4 Ring Standalone Wire Manager, Left and Right Pass-through w/Rear Tray

2U 32-Port Duplex LC DMAX Enclosure



1U 24 MPO Enclosure w/ Strain Relief



THE NEW DMAX ENCLOSURE OFFERS INTELLIGENT CABLE DENSITY, ORGANIZATION AND ACCESSIBILITY.

(Above Left): The 2U 32-port Duplex LC DMAX enclosure with integrated wire management is the latest in the Premise Wiring Product hardware series. The combination of cable density and wire management greatly improves cable accessibility and rack appearance. (Bottom Right): The 3-panel enclosure accommodates both the Plug and Play-style modules and the Standard Series of Premise Adapter panels.

1U 16-Port LC Duplex Enclosure



1U Standalone DMAX Wire Manager (Also available in 2U Standalone).



2U 16-Port LC Duplex Enclosure with Wire Management



2U 3-Panel Cassette Enclosure with Wire Management

Premise Wiring Product Series

The Standard Footprint of the Premise Wiring Line

2

A STANDARD FOOTPRINT AFFORDS CONVENIENCE AND SIMPLICITY IN CONNECTIVITY

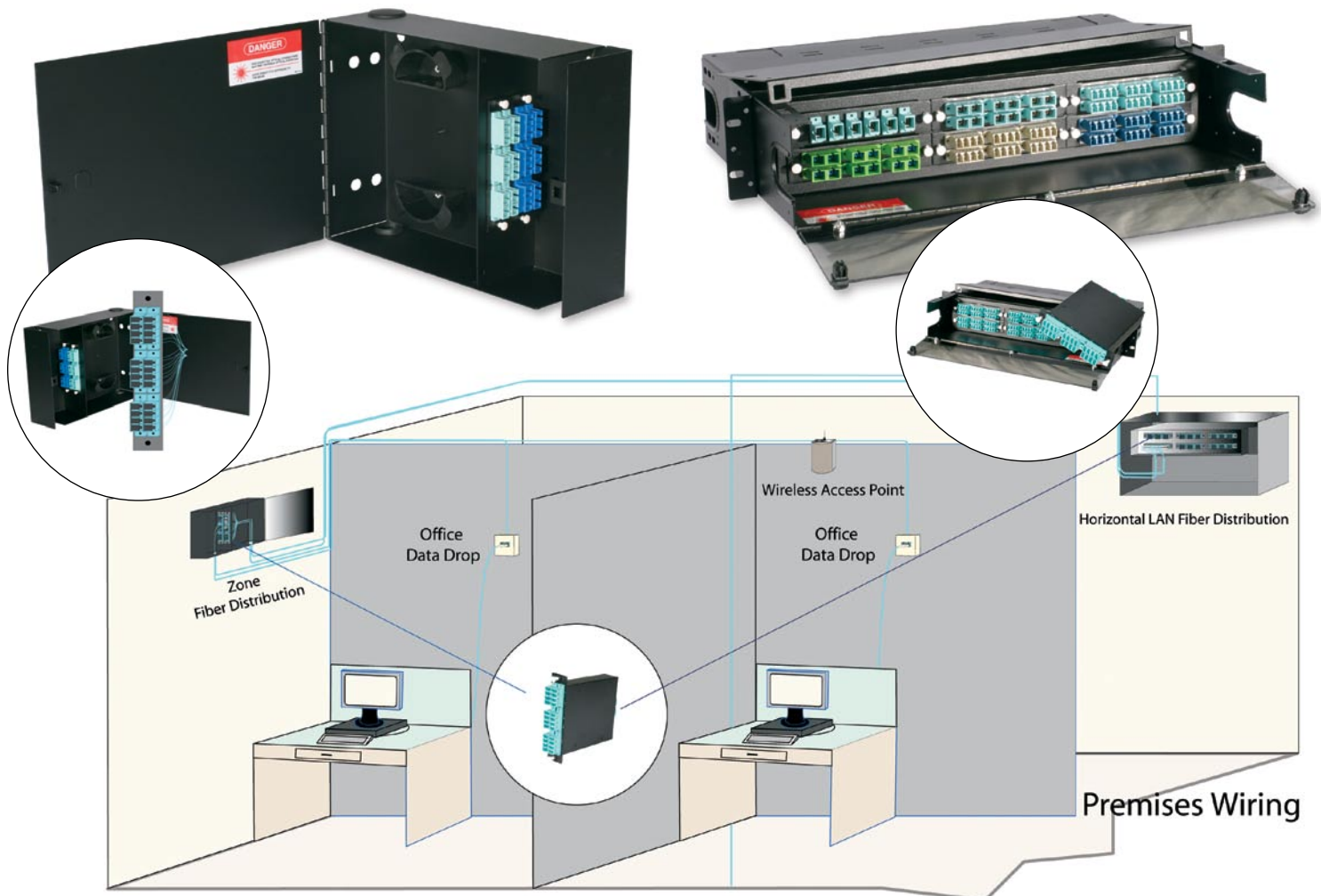
Installers, distributors and end users appreciate the standard footprint of the CSI Technologies Premise Wiring Hardware line. From a small two-panel wall-mount enclosure to a densely-packed 4U rack-mount enclosure, the Premise Wiring line shares the same cassettes and adapter panels across the RAC, WAC and DMAX platforms.

The benefits of the Premise Wiring Line's standard footprint include:

- fewer parts to inventory;
- consistency in design across platform;
- faster moves, additions, changes and repairs;
- the ability to scale your site larger or smaller with confidence; and
- cost sensitive engineering that balances reliability and delivered cost to the user.

THE STANDARD FOOTPRINT ILLUSTRATED BELOW

From wall-mount units (below left) to densely-packed rack-mount units (below right), the premise wiring line shares the same cassettes and adapter panels across the RAC, WAC and DMAX platforms.



Premise Wiring Product Series

Adapter Panels - Standard Series

STANDARD SERIES ADAPTER PANELS

The Standard-series Adapter Panels fit CSI Technologies' Premise Enclosures with 4.687 inch (11.9 cm) hole-to-hole spacing, the panel footprint used for the RAC, WAC and adapter-style DMAX enclosures.

Built of 16-gauge steel, the Standard Series panels are powder-coated for a long lasting, rust-resistant finish.

Adapters with PB (phosphor-bronze) alignment sleeves are suitable for average multimode or singlemode use. For ultra-low loss singlemode applications or frequent matings, adapters with zirconia ceramic alignment sleeves will provide exceptional performance.

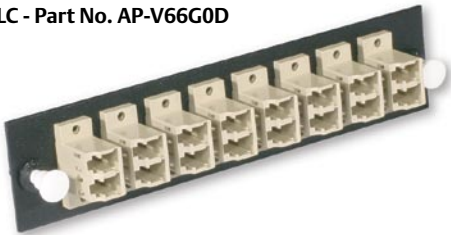
Adapters, pigtail cassettes and MTP™ loaded cassettes are available in all popular configurations.

Adapter Panels – Standard Premise Products Series				
Part Number	Product Description	Type	Plate Capacity - Max # Fibers	
AP-VAAW0B	12-pk, ST, PB Insert, MM/SM	ST	12	
AP-VAA10B	6-pk, ST, Duplex, PB Insert, MM/SM, Blue	ST	12	
AP-VAAW06	6-pk, ST, PB Insert, MM/SM	ST	6	
AP-VAAWC6	6-pk, ST, Zirconia Insert, SM	ST	6	
AP-VAAW08	8-pk, ST, PB Insert, MM/SM	ST	8	
AP-VAAWC8	8-pk, ST, Zirconia Insert, SM	ST	8	
AP-VCC108	4-pk, SC Duplex, PB Insert, MM/SM	SC	8	
AP-VCCC0B	6-pk, SC Duplex, PB Insert, MM, Aqua	SC	12	
AP-VCCG0B	6-pk, SC Duplex, PB Insert, MM, Beige	SC	12	
AP-VCC10B	6-pk, SC Duplex, PB Insert, MM/SM, Blue	SC	12	
AP-VCC3AB	6-pk, SC Duplex, Zirconia Insert, SM, APC, Green	SC	12	
AP-VCC1CB	6-pk, SC Duplex, Zirconia Insert, SM, Blue	SC	12	
AP-VCCC06	6-pk, SC, PB Insert, MM, Aqua	SC	6	
AP-VCCG06	6-pk, SC, PB Insert, MM, Beige	SC	6	
AP-VCC106	6-pk, SC, PB Insert, MM/SM, Blue	SC	6	
AP-VCC3A6	6-pk, SC, Zirconia Insert, SM, APC, Green	SC	6	
AP-VCC1C6	6-pk, SC, Zirconia Insert, SM, Blue	SC	6	
AP-VCCC08	8-pk, SC, PB Insert, MM, Aqua	SC	8	
AP-VCCG08	8-pk, SC, PB Insert, MM, Beige	SC	8	
AP-VCC108	8-pk, SC, PB Insert, MM/SM, Blue	SC	8	
AP-VCC3A8	8-pk, SC, Zirconia Insert, SM, APC, Green	SC	8	
AP-VCC1C8	8-pk, SC, Zirconia Insert, SM, Blue	SC	8	
AP-V338ZF	6-pk, Duplex, MTRJ, MM/SM (24-Fibers)	MT-RJ	24	
AP-V338ZB	6-pk, MTRJ, MM/SM (12-Fibers)	MT-RJ	12	
AP-V338ZD	8-pk, MTRJ, MM/SM (16-Fibers)	MT-RJ	16	
AP-V77GZJ	4-pk, MTP™, MM/SM, Beige (48-Fiber)	MTP™	48	
AP-V778ZJ	4-pk, MTP™, MM/SM, Black (48-Fiber)	MTP™	48	
AP-V77CZJ	4-pk, MTP™, MM/SM, Aqua (48-Fiber)	MTP™	48	
AP-V773ZJ	4-pk, MTP™, MM/SM, Green (48-Fiber)	MTP™	48	
AP-V77GZL	6-pk, MTP™, MM/SM, Beige (72-Fiber)	MTP™	72	
AP-V778ZL	6-pk, MTP™, MM/SM, Black (72-Fiber)	MTP™	72	
AP-V77CZL	6-pk, MTP™, MM/SM, Aqua (72-Fiber)	MTP™	72	
AP-V773ZL	6-pk, MTP™, MM/SM, Green (72-Fiber)	MTP™	72	
AP-V66C0B	6-pk, LC Duplex, PB Insert, MM, Aqua	LC	12	
AP-V66G0B	6-pk, LC Duplex, PB Insert, MM, Beige	LC	12	
AP-V6610B	6-pk, LC Duplex, PB Insert, MM/SM, Blue	LC	12	
AP-V66C0F	6-pk, LC Quad, PB Insert, MM, Aqua	LC	24	
AP-V66CCF	6-pk, LC Quad, Zirconia Insert, Aqua;	LC	24	
AP-V66C0F	6-pk, LC Quad, PB Insert, MM, Beige	LC	24	
AP-V6610F	6-pk, LC Quad, PB Insert, MM/SM, Blue	LC	24	
AP-V66C0D	8-pk, LC Duplex, PB Insert, MM, Aqua	LC	16	
AP-V66CCD	8-pk, LC Duplex, Zirconia insert, Aqua;	LC	16	
AP-V66G0D	8-pk, LC Duplex, PB Insert, MM, Beige	LC	16	
AP-V6610D	8-pk, LC Duplex, PB Insert, MM/SM, Blue	LC	16	
AP-VBCW0B	6-pk, Hybrid, FC/SC, Duplex, PB Insert, Metal	FC/SC	12	
AP-VBC106	6-pk, Hybrid, FC/SC, PB Insert, Blue	FC/SC	6	
AP-VBC108	8-pk, Hybrid, FC/SC, PB Insert, Blue	FC/SC	8	
AP-VBBW06	6-pk, FC, PB Insert, MM/SM	FC	6	
AP-VBBW0B	12-pk, FC, PB Insert, MM/SM	FC	12	
AP-VBBWCB	12-pk, FC, Zirconia Insert, SM	FC	12	
AP-VBBWC6	6-pk, FC, Zirconia Insert, SM	FC	6	
AP-VBBW08	8-pk, FC, PB Insert, MM/SM	FC	8	

FC - Part No. AP-VBBWCB



LC - Part No. AP-V66G0D



MTP - Part No. AP-V778ZL



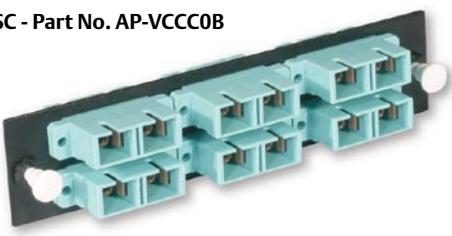
MT-RJ - Part No. AP-V338ZF



SC - Part No. AP-VCCC06



SC - Part No. AP-VCCC0B



ST - Part No. AP-VAAW06



Premise Wiring Product Series Plug & Play-style MTP™ Cassettes

MTP™ CASSETTES MAKE WIRING FASTER & EASIER

Plug & Play-style cassettes simplify data center design. Users can now pre-measure cable lengths and order pre-terminated assemblies from the factory. The benefits are consistent factory quality, reduced installation time and greatly improved future upgrades with MTP™ cassette patching systems. Installers no longer have to deal with polishing or splicing fibers in less than ideal field conditions. The cassettes fit in either wall or rack mounted enclosures that allow users to grow with scalable enclosure designs.



Plug-and-Play Style MTP™ Cassettes		Part Number by Glass Type			
Description	Ports/ Fibers per Cassette	50/125 OM3 Glass with P-B Sleeve	50/125 OM3 Glass with Ceramic Sleeve	Single Mode 9/125	62.5/125
LC Dplx. Cassette w/Harness; Dplx LC - MTP™(M) LC Dplx. Cassette Quad LC pkg. w/Harness; Dplx LC - Dual MTP™(M)	6 Dplx. ports / Dplx. Adapters 12 fibers 12 Dplx. ports / Quad Adapters 24 fibers	CAQM-V68C0B CAQM-V68C0F	CAQM-V68CCB CAQM-V68CCF	CAQM-V681CB CAQM-V681CF	CAQM-V68G0B CAQM-V68G0F
SC Dplx. Cassette w/Harness; Dplx. SC - MTP™ (M)	6 Dplx. ports / Dplx. Adapters 12 fibers	CAQM-VC8C0B	CAQM-VC8CCB	CAQM-VC81CB CAQM-VC83AB (SC APC)	CAQM-VC8G0B
ST Dplx. Cassette w/Harness; Dplx. ST - MTP™ (M)	6 Dplx. ports / Dplx. Adapters 12 fibers	CAQM-VA810BC	CAQM-VA81CBC	CAQM-VA81CB	CAQM-VA810B
MT-RJ(M) Dplx. Cassette w/Harness; Dplx. MT-RJ(M)-MTP™(M) MT-RJ(M) Dplx. Cassette w/Harness; Dplx. MT-RJ(M)-Dual MTP™(M)	6 Smplx. ports/Smplx. Adapters 12 fibers 6 Dplx. ports / Dplx. Adapters 24 fibers	N/A N/A	CAQM-V488ZBC CAQM-V488ZFC	CAQM-V488ZB2 CAQM-V488ZF2	CAQM-V488ZB1 CAQM-V488ZF1
* MT-RJ (M) Dplx. Cassette w/ Harness; Dplx. MT-RJ(M)-MTP™(M) <i>Available in Colors: Yellow (Y), Red (R) and Green (G)</i>	6 Smplx. ports/Smplx. Adapters 12 fibers	N/A	CAQM-V48LZBC (Y) CAQM-V48KZBC (R) CAQM-V48MZBC (G)	CAQM-V48LZB2 (Y) CAQM-V48KZB2 (R) CAQM-V48MZB2 (G)	CAQM-V48LZB1 (Y) CAQM-V48KZB1 (R) CAQM-V48MZB1 (G)
* MT-RJ (M) Dplx. Cassette w/ Harness; Dplx. MT-RJ(M) - MTP™(M) <i>Available in Colors: Yellow (Y), Red (R) and Green (G)</i>	6 Dplx. ports / Dplx. Adapters 24 Fibers	N/A	CAQM-V48LZFC (Y) CAQM-V48KZFC (R) CAQM-V48MZFC (G)	CAQM-V48LZF2 (Y) CAQM-V48KZF2 (R) CAQM-V48MZFC (G)	CAQM-V48LZF1 (Y) CAQM-V48KZF1 (R) CAQM-V48MZFC (G)
<i>*Note: Alignment sleeve does not apply to these items because of MT-RJ mating pins.</i>					

LC Duplex - 6 Ports / 12 Fibers



LC Duplex w/Quad Package - 12 Ports / 24 Fibers



MT-RJ Duplex - 6 Ports / 12 Fibers



SC Duplex - 6 Ports / 12 Fibers



ST Duplex - 6 Ports / 12 Fibers



LOW-LOSS MTP™ LINKS

Low-loss MTP™ links are possible today with recent advances in polishing and testing technology. Average multimode insertion losses for MT-based ferrules are under 0.25 dB for mated pair connections and run even lower for singlemode precision ferrules. Our MT-ferrule assemblies have been rigorously evaluated and approved by leading industry OEMs such as IBM, Sun Microsystems and Alcatel. This assures that your MT-based patching distribution center will perform with margin to spare.

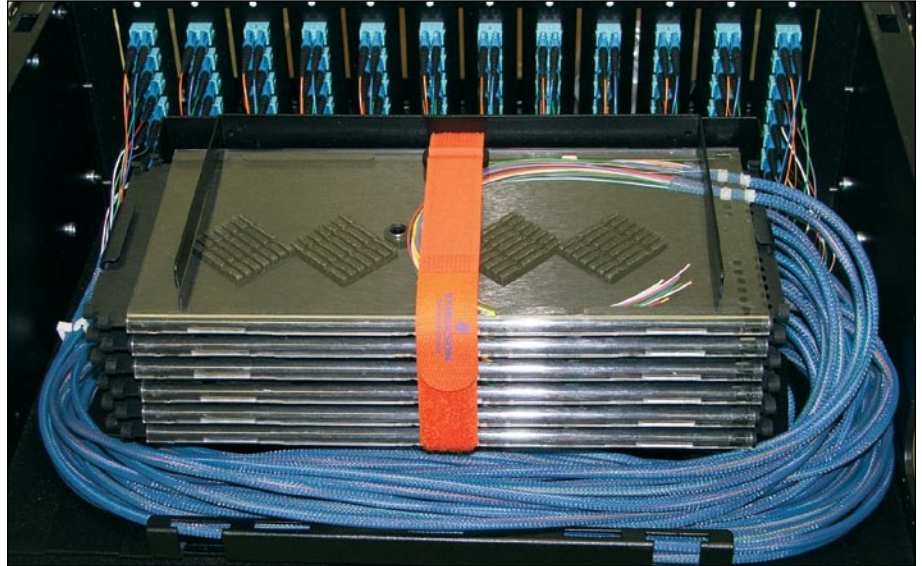
Premise Wiring Product Series Splicing Hardware

SIMPLIFIED SPLICE TRAY MANAGEMENT

For the RAC and WAC series enclosures, we have developed a splicing tray holder kit that simplifies the management of splice trays. Please note that these kits do not include the splice trays.

The benefits of the new holder design include:

- Easy side access to the splice trays with a better tray organizer.
- Each splice tray can be removed without disruption to the neighboring splice trays.
- Faster and more secure method of loading splice trays in denser mounting applications
- Removal and replacement of a splice tray is greatly simplified with no-tools.
- Trays load bottom to top in the notches of the tray holder, sliding into the appropriate rear slots of the holder. A Velcro® strap surrounds the trays for enhanced security.



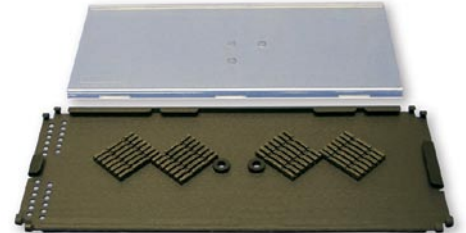
RAC-4X-EXT Enclosure shown with AP-SPLTRYHLD-4X tray holder and six AP-SPLC24 splice trays. Pigtail kits ordered separately.

Splice Tray Holder Kits and Splice Trays	
Part Number	Product Description
AP-SPLTRYHLD-1X	Splice Tray Holder Kit for All 1U RAC Series Enclosures. Kit includes the tray holding system, stand-offs and Velcro®; Holds up to 2 splice trays
AP-SPLTRYHLD-2X	
AP-SPLTRYHLD-4X	
AP-SPLTRYHLD-2XW	Splice Tray Holder Kit for All WAC 2X Series Enclosures. Kit includes the tray holding system, stand-offs and Velcro®; Supports AP-SPLC6 splice trays
AP-SPLTRYHLD-4XW	
AP-SPLTRYHLD-8XW	
AP-SPLTRYHLD-12XW	
AP-SPLC6	Splice Tray, 6 inches, 4.5" (w) x 6" (l) x 0.4" (h); Holds fusion or mechanical 12 splices; Aluminum bottom with clear top; For WAC series or can be used in 1U RAC series enclosure
AP-SPLC12	
AP-SPLC24	
	Splice Tray, 12 inches, 4.5" (w) x 12" (l) x 0.4" (h); Holds fusion or mechanical 12 splices; Aluminum bottom with clear top; Recommended for RAC or larger WAC series enclosures
	Splice Tray, 12 inches, 5.5" (w) x 12" (l) x 0.4" (h); Holds fusion or mechanical 24 splices, Aluminum bottom with clear top; Recommended for RAC or larger WAC series enclosures

Small 12 Fiber Splice Tray - Part No. AP-SPLC6

Large 12 Fiber Splice Tray - Part No. AP-SPLC12

24 Fiber Splice Tray - Part No. AP-SPLC24



Enterprise Product Series Jumper Solutions

2

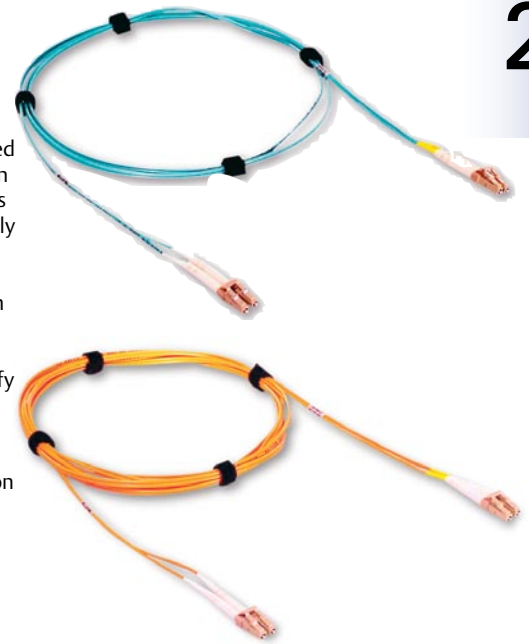
Fiber optic connectors have evolved in the past 25 years from simplex termination points to advanced high density arrays of fibers.

We offer four generations of connector solutions to meet the communication industry needs. Generation I connectors include the ESCON® duplex and ST type connectors. Generation II connectors FC and SC offer easy to mate, high performance, low loss solutions. Generation III connectors, commonly referred to as Small Form Factor (SFF) connectors feature the MU, LC and MT-RJ designs, with twice the density of Generation II designs without significant performance changes. The Generation IV connectors, the highly regarded MTP™/MPO and advanced SMC connector designs offer the benefit of multiple fibers in a single ferrule, up to 72 fibers in some designs.

Our Enterprise-class jumpers are built to rigorous mainframe computing standards and are designed for the ultimate in long-term reliability. More than 35 different tests were used to qualify the designs used in the high-end SAN and mainframe assembly designs, including temperature and humidity cycling, ship-shock, vibration, drop, crush, link loss, end face geometry, fiber skew, back-reflection and mating durability.

Our in-house laboratory is well-equipped to certify that our products meet your exacting needs. Custom configurations are welcome, many with quick-turn delivery. We also offer extended distance OM3 glass for 10 Gb Ethernet transmission distance up to 550 meters. Call us for details.

Our standard jumpers are listed in the table shown below.



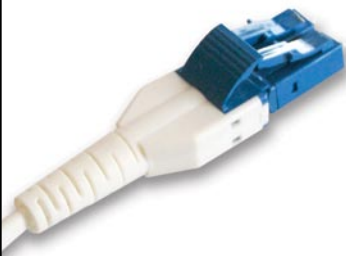
(Photo - Top Right): 50/125 LC duplex assembly with aqua colored cable jacket indicating that the glass fiber has 300 meter or better transmission capability for 10 Gbps Ethernet and 4 - 10 Gbps Fibre Channel and Infiniband serial data signals. (Bottom Right): 50/125 LC duplex assembly with conventional 50/125 glass suitable for 1 Gbps Ethernet and 2 Gbps Fibre Channel applications has an orange cable jacket.

Standard Jumper Cables		Part Number by Glass Type					
Type	Cable	50/125 OM2 Plenum		50/125-10 Gig/300 Meters (OM3) Plenum		9/125 Singlemode Plenum	
		Riser LSZH*	Riser LSZH*	Riser LSZH*	Riser LSZH*	Riser LSZH*	Riser LSZH*
Duplex LC - LC	2 mm zipcord style cable	JZ2-050LLxxxP	JZ2-050LLxxxD	JZ2-X50LLxxxP	JZ2-X50LLxxxD	JZ2-010LLxxxP	JZ2-010LLxxxD
Duplex LC - LC	3 mm zipcord style cable	JZ-050LLxxxP	JZ-050LLxxxD	JZ-X50LxxxP	JZ-X50LxxxD	JZ010LxxxP	JZ010LxxxD
Duplex "Uni-Boot" LC - LC	2.8mm DFX-style round duplex	JD-050BBxxxPX	JD-050BBxxxDX	JD-X50BBxxxPX	JD-X50BBxxxDX	JD-010BBxxxPX	JD-010BBxxxDX
Duplex LC - SC	2 mm zipcord style cable	JZ2-050LSxxxPC	JZ2-050LSxxxDC	JZ2-X50LSxxxPC	JZ2-X50LSxxxDC	JZ2-010LSxxxPC	JZ2-010LSxxxDC
Duplex SC - SC	3 mm zipcord style cable	JZ-050SSxxxPC	JZ-050SSxxxDC	JZ-X50SSxxxPC	JZ-X50SSxxxDC	JZ-010SSxxxPC	JZ-010SSxxxDC
Duplex "Uni-Boot" SC - SC	2.8mm DFX-style round duplex	JD-050VVxxxPX	JD-050VVxxxDX	JD-X50VVxxxPX	JD-X50VVxxxDX	JD-010VVxxxPX	JD-010VVxxxDX

Notes: 1) xxx = length in meters (example: 003 = 3 meters; 030 = 30 meters; 300 = 300 meters).
 2) Standard Lengths are 2, 3, 5, 7, 10, 15, 20 and 30 meters.
 3) * Low Smoke Zero Halogen
 4) For 62.5/125 multimode fiber applications, replace the 050 code in the standard part number with the code 062 (i.e. JZ2-062LLxxxP)
 5) For premium OM3 assemblies, replace 'X50' in the part number with 'Y50'. This will provide singlemode ceramic ferrules resulting in lower connection losses on OM3 glass.

CONNECTOR TYPES

Duplex LC – UniBoot Style



Duplex LC



Duplex SC - Uniboot Style



Duplex SC



Enterprise Product Series Harness Solutions

FAN-OUT HARNESES ARE AVAILABLE FOR ALL OF THE DIFFERENT TRANSCEIVER INTERFACES IN TODAY'S SERVER, STORAGE AND SWITCHING EQUIPMENT.

Fan-out Harnesses convert MTP™ terminations to simplex or duplex fiber connectors such as SC or LC. Standard fan-out leg lengths are 1.0, 1.5, 2.5 and 3.5 meters. MTP™ connectors in standard fan-out assemblies are configured with metal alignment pins to create the 'male' style MTP™, designated MTP™ (M).

Multimode MTP™ connectors have a flat polish with sufficient fiber protrusion to ensure glass to glass contact for low loss performance.

Singlemode MTP™ connectors have an angle polish to deliver very low back-reflection value while maintaining low mating losses. The most important element in a properly designed and assembled fan-out harness is the furcation point, the transition from the high density cable to the discrete simplex or duplex legs.

Our furcation design provides continuous non-spliced glass throughout the harness length supported by an end-to-end strength member, providing a robust assembly to meet the needs of the most demanding data center.

CUSTOM HARNESS ASSEMBLIES

Custom harnesses are available with any of the common connectors listed. Staggered leg lengths, custom leg numbering and unique leg color codes are available upon request.

For uptime and reliability, rely on our Enterprise line of optical connectivity solutions.

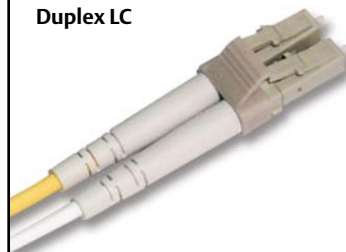


Direct Attach Harnesses		Part Number by Glass Type		
Assembly Type	Fanout (Meters)	50/125 OM2	50/125 10 Gbps/300m OM3*	9/125 Singlemode
12 fiber MTP™(M) / Duplex SC	1 M	V23857-B2069-A1	V23857-X2069-A1	V23857-A2064-A1 (APC)
12 fiber MTP™(M) / Duplex LC	1 M	V23857-B2092-A1	V23857-X2092-A1	V23877-A2012-A1 (APC)
12 fiber MTP™(M) w/Round Boot/Dplx. SC Uniboot	1 M	V23887-B3011-A1	V23887-X3011-A1	V23887-A3011-A1 (APC)
12 fiber MTP™(M) w/Round Boot/Dplx. LC Uniboot	1 M	V23887-B3010-A1	V23887-X3010-A1	V23887-A3010-A1 (APC)
12 fiber MTP™(M) / Duplex SC	1.5 M	V23857-B2069-A1.5	V23857-X2069-A1.5	V23857-A2064-A1.5 (APC)
12 fiber MTP™(M) / Duplex LC	1.5 M	V23857-B2092-A1.5	V23857-X2092-A1.5	V23877-A2012-A1.5 (APC)
12 fiber MTP™(M) w/Round Boot/Dplx. SC Uniboot	1.5 M	V23887-B3011-A1.5	V23887-X3011-A1.5	V23887-A3011-A1.5 (APC)
12 fiber MTP™(M) w/Round Boot/Dplx. LC Uniboot	1.5 M	V23887-B3010-A1.5	V23887-X3010-A1.5	V23887-A3010-A1.5 (APC)
12 fiber MTP™(M) / Duplex SC	2.5 M	V23857-B2069-A2.5	V23857-X2069-A2.5	V23857-A2064-A2.5 (APC)
12 fiber MTP™(M) / Duplex LC	2.5 M	V23857-B2092-A2.5	V23857-X2092-A2.5	V23877-A2012-A2.5 (APC)
12 fiber MTP™(M) w/Round Boot/Dplx. SC Uniboot	2.5 M	V23887-B3011-A2.5	V23887-X3011-A2.5	V23887-A3011-A2.5 (APC)
12 fiber MTP™(M) w/Round Boot/Dplx. LC Uniboot	2.5 M	V23887-B3010-A2.5	V23887-X3010-A2.5	V23887-A3010-A2.5 (APC)
12 fiber MTP™(M) / Duplex SC	3.5 M	V23857-B2069-A3.5	V23857-X2069-A3.5	V23857-A2064-A3.5 (APC)
12 fiber MTP™(M) / Duplex LC	3.5 M	V23857-B2092-A3.5	V23857-X2092-A3.5	V23877-A2012-A3.5 (APC)
12 fiber MTP™(M) w/Round Boot/Dplx. SC Uniboot	3.5 M	V23887-B3011-A3.5	V23887-X3011-A3.5	V23887-A3011-A3.5 (APC)
12 fiber MTP™(M) w/Round Boot/Dplx. LC Uniboot	3.5 M	V23887-B3010-A3.5	V23887-X3010-A3.5	V23887-A3010-A3.5 (APC)

Notes: 1) * For premium OM3 performance, replace the letter 'X' in the part number with the letter 'Y'. This will provide singlemode ferrules for low losses and exacting core alignment.
 2) All legs on 2 mm zipcord cable.
 3) For 62.5/125 multimode fiber applications, change the 'B' in the 50/125 part number to a 'C'.

CONNECTOR TYPES

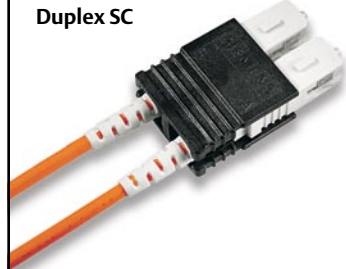
Duplex LC



Duplex LC – UniBoot Style



Duplex SC



Duplex SC - Uniboot Style



MTP® w/Ribbon Cable Boot



MTP® w/Round Cable Boot



Enterprise Product Series Multi-fiber Trunk & Ribbon Cable Solutions

WE OFFER OPTICAL TRUNKS FOR POINT-TO-POINT CABLING OR FOR LARGE SCALE DATA-CENTER INFRASTRUCTURE DESIGNS.

Multi-fiber assemblies offer users two key benefits depending on connector style. MTP™ connector trunks offer high-density interconnections in the smallest package available today. Raised floor space in data centers is expensive and often congested. High density pre-terminated trunking solutions offer a practical way to install many fibers in a short time and can be unplugged, recoiled and reused. Compared to discrete jumper cable bundles, these multi-fiber assemblies can be up to 30% smaller in cross-sectional area and weight.

Trunk designs have pulling sleeves to protect the connectors during installation. Factory terminated trunks offer the termination reliability that field termination cannot provide. Our factories utilize the latest polishing, scribing and termination equipment and state-of-the-art test and measurement stations. Assembly technicians follow proven and controlled assembly practices validated by thousands of hours of reliability studies by our internal laboratory and and by major industry OEMs. When you need a reliable fiber trunking solution, count on us for the best in Enterprise-class solutions.



Fiber Trunk Assemblies				Part No. By Glass Type		
Assembly Type	Cable Type	No. of Fibers / Duplex Channels	50/125	50/125 OM3 10 Gbps/300m	Single Mode 9/125	
w/flipped pair channel wiring	MTP™(F)-MTP™(F) Standard MIC style	12 fiber / 6 channel	J12-050MMxxxPF	J12-X50MMxxxPF	J12-010WWxxxPF*	
	MTP™(F)-MTP™(F) Ultra-SFF	24 fiber / 12 channel	JH24-050MMxxxPF	JH24-X50MMxxxPF	JH24-010WWxxxPF*	
	MTP™(F)-MTP™(F) Ultra-SFF	36 fiber / 18 channel	JH36-050MMxxxPF	JH36-X50MMxxxPF	JH36-010WWxxxPF*	
	MTP™(F)-MTP™(F) Ultra-SFF	48 fiber / 24 channel	JH48-050MMxxxPF	JH48-X50MMxxxPF	JH48-010WWxxxPF*	
	MTP™(F)-MTP™(F) Ultra-SFF	72 fiber / 36 channel	JH72-050MMxxxPF	JH72-X50MMxxxPF	JH72-010WWxxxPF*	
wired 1 to 1, 2 to 2, etc.	MTP™(F)-MTP™(F) Jacketed Ribbon	12 fibers	V23857-B6476-Axxx	V23857-X6476-Axxx	V23857-A6476-Axxx	
	SMC-XL (F)-SMX-XL(F) Jacketed Ribbon	12 fibers	V23867-B6434-Axxx	V23867-X6434-Axxx	V23867-A6434-Axxx	
wired 1 to 12, 2 to 11, etc.	MTP™(F)-MTP™(F) Jacketed Ribbon	12 fibers	F23857-B6476-Axxx	F23857-X6476-Axxx	F23857-A6476-Axxx	
	SMC-XL (F)-SMX-XL(F) Jacketed Ribbon	12 fibers	F23867-B6434-Axxx	F23867-X6434-Axxx	F23867-A6434-Axxx	
Duplex SC-SC	Standard MIC style	12 fiber / 6 channel	J12-050SxxxPCF	J12-X50SxxxPCF	J12-010SxxxPCF	
	Ultra-SFF	36 fiber / 18 channel	JH36-050SxxxPCF	JH36-X50SxxxPCF	JH36-010SxxxPCF	
	Ultra-SFF	72 fiber / 36 channel	JH72-050SxxxPCF	JH72-X50SxxxPCF	JH72-010SxxxPCF	
	Ultra-SFF	144 fiber / 72 channel	JH144-050SxxxPCF	JH144-X50SxxxPCF	JH144-010SxxxPCF	
Duplex SC - MTP™ (F)	Standard MIC style	12 fiber / 6 channel	J12-050SMxxxPCF	J12-X50SMxxxPCF	J12-010SWMxxxPCF*	
	Ultra-SFF	36 fiber / 18 channel	JH36-050SMxxxPCF	JH36-X50SMxxxPCF	JH36-010SWMxxxPCF*	
	Ultra-SFF	72 fiber / 36 channel	JH72-050SMxxxPCF	JH72-X50SMxxxPCF	JH72-010SWMxxxPCF*	
	Ultra-SFF	144 fiber / 72 channel	JH144-050SMxxxPCF	JH144-X50SMxxxPCF	JH144-010SWMxxxPCF*	
Duplex LC-LC	Standard MIC style	12 fiber / 6 channel	J12-050LxxxPF	J12-X50LxxxPF	J12-010LxxxPF	
	Standard MIC style	18 fiber / 9 channel	J18-050LxxxPF	J18-X50LxxxPF	J18-010LxxxPF	
	Ultra-SFF	24 fiber / 12 channel	JH24-050LxxxPF	JH24-X50LxxxPF	JH24-010LxxxPF	
	Ultra-SFF	36 fiber / 18 channel	JH36-050LxxxPF	JH36-X50LxxxPF	JH36-010LxxxPF	
	Ultra-SFF	48 fiber / 24 channel	JH48-050LxxxPF	JH48-X50LxxxPF	JH48-010LxxxPF	
	Ultra-SFF	72 fiber / 36 channel	JH72-050LxxxPF	JH72-X50LxxxPF	JH72-010LxxxPF	
	Ultra-SFF	144 fiber / 72 channel	JH144-050LxxxPF	JH144-X50LxxxPF	JH144-010LxxxPF	
Duplex UniBoot LC-LC	Standard MIC style	12 fiber / 6 channel	J12-050BBxxxPF	J12-X50BBxxxPF	J12-010BBxxxPF	
	Ultra-SFF	36 fiber / 18 channel	JH36-050BBxxxPF	JH36-X50BBxxxPF	JH36-010BBxxxPF	
	Ultra-SFF	72 fiber / 36 channel	JH72-050BBxxxPF	JH72-X50BBxxxPF	JH72-010BBxxxPF	
	Ultra-SFF	144 fiber / 72 channel	JH144-050BBxxxPF	JH144-X50BBxxxPF	JH144-010BBxxxPF	
Duplex LC-SC	Standard MIC style	12 fiber / 6 channel	J12-050LSxxxPCF	J12-X50LSxxxPCF	J12-010LSxxxPCF	
	Ultra-SFF	36 fiber / 18 channel	JH36-050LSxxxPCF	JH36-X50LSxxxPCF	JH36-010LSxxxPCF	
	Ultra-SFF	72 fiber / 36 channel	JH72-050LSxxxPCF	JH72-X50LSxxxPCF	JH72-010LSxxxPCF	
	Ultra-SFF	144 fiber / 72 channel	JH144-050LSxxxPCF	JH144-X50LSxxxPCF	JH144-010LSxxxPCF	
Duplex LC-MTP™(F)	Standard MIC style	12 fiber / 6 channel	J12-050LMxxxPF	J12-X50LMxxxPF	J12-010LWxxxPF*	
	Ultra-SFF	24 fiber / 12 channel	JH24-050LMxxxPF	JH24-X50LMxxxPF	JH24-010LWxxxPF*	
	Ultra-SFF	36 fiber / 18 channel	JH36-050LMxxxPF	JH36-X50LMxxxPF	JH36-010LWxxxPF*	
	Ultra-SFF	48 fiber / 24 channel	JH48-050LMxxxPF	JH48-X50LMxxxPF	JH48-010LWxxxPF*	
	Ultra-SFF	72 fiber / 36 channel	JH72-050LMxxxPF	JH72-X50LMxxxPF	JH72-010LWxxxPF*	
	Ultra-SFF	144 fiber / 72 channel	JH144-050LMxxxPF	JH144-X50LMxxxPF	JH144-010LWxxxPF*	

- Notes: 1) xxx = length in feet (example: 001 = 1 foot; 010 = 10 feet; 125 = 125 feet).
 2) * Singlemode MTP™ connectors have angle polished connector ends (APC).
 3) Low Smoke-Halogen Free Cable available upon request. All items in chart are UL OFNP (Plenum) rated.
 4) For Ultra-Performance on 50/125 OM3 glass links, change the X50 code to Y50. This will provide singlemode tolerance ferrules for the cable assembly, resulting in lower losses and improved transmission distances.
 5) For Uniboot SC connectors, use code V in the part number. For example: change J12-050SxxxPCF to J12-050VxxxPCF to obtain Uniboot SC connector trunk assemblies.
 6) For round MTP boots, use code 2 for MTP Female connectors. For example: change J12-050MMxxxPF to J12-05022xxxPF for an MTP trunk with round cable boots
 7) For Uniboot LC connector, use Code B in the part number as in examples in notes 5 & 6 above.
 8) For ribbon solutions requiring 62.5/125 glass, use 'C' code. For example: to change 50/125 to 62.5/125, V23857-B6476-Axxx would become V23857-B6476-Cxxx.

TRUNK ASSEMBLIES

(Left) Shorter trunks are coiled prior to packaging, with the pulling pods secured over the applicable connector ends. (Upper Left) Longer trunks are shipped on 3-flange spools with both ends accessible for testing prior to installation. Pulling pods are secured over the applicable connectors ends.



Enterprise Product Series Data Center Enclosure Solutions

1U ENTERPRISE FACEPLATES & ENCLOSURES

1U enclosures and faceplates pack a lot of connector density in a small space. Whether your need is for a feedthrough connector panel or a complete 48 port plug and play-style MTP™ system, we have an Enterprise-class solution for your application.

Factory assembled MTP™ enclosures have MTP™ - based harnesses terminating all internal connector ports. Select the appropriate trunk cable assembly to complement the loaded enclosure, and the design of a high reliability, easily-installed fiber optic network is complete.

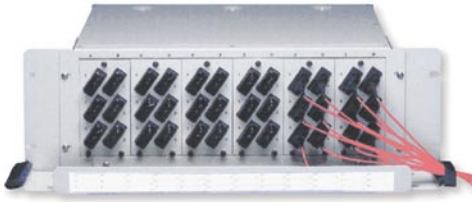


■ 1U Products have a black faceplate. Panels mount to 19" standard racks with 4 u-clips and screws (supplied).

Faceplates Loaded with Couplers		Part Numbers		
Description	Multimode Beige Couplers - Phosphorous Bronze Alignment Sleeves (Not applicable for MT-RJ)	Singlemode Blue Couplers - Ceramic Alignment Sleeves (Not applicable for MT-RJ)		
1U Faceplate Loaded (12) SC/SC Duplex Couplers	FB1-FP-SM	FB1-FP-SS		
1U Faceplate Loaded (12) SC/ST Duplex Couplers	FB1-FP-TM	FB1-FP-TS		
1U Faceplate Loaded (24) SC/SC Duplex Couplers	FB1-FP-SM-24	FB1-FP-SS-24		
1U Faceplate Loaded (24) SC/ST Duplex Couplers	FB1-FP-TM-24	FB1-FP-TS-24		
1U Faceplate Loaded (24) MT-RJ/MT-RJ Couplers	FB1-FP-RM-24	-		
1U Faceplate Loaded (24) LC/LC Duplex Couplers	FB1-FP-LM-24	FB1-FP-LS-24		
1U Faceplate Loaded (24) LC/LC Quad Couplers - 48 Duplex Ports	FB1-FP-DM-48	-		
Enclosures Loaded with Couplers		Part Numbers		
Description	Multimode Beige Couplers - Phosphorous Bronze Alignment Sleeves	Singlemode Blue Couplers - Ceramic Alignment Sleeves		
1U Enclosure Loaded with 24 SC/SC Duplex Couplers	FB1-EN-SOUM-24	FB1-EN-SOUS-24		
1U Enclosure Loaded (24) LC/LC Duplex Couplers	FB1-EN-LOUM-24	FB1-EN-LOUS-24		
1U Enclosure Loaded (24) LC/LC Quad Couplers - 48 Duplex Ports	FB1-EN-DOUM-48	FB1-EN-DOUS-48		
Enclosures Loaded with Couplers & MTP™ Harnesses		Part Number by Glass Type		
Description	50/125	50/125 10 Gbps/300 Meters	Single Mode* 9/125	62.5/125
1U Enclosure, (12) Duplex SC/ST Couplers, (2) preloaded MTP™ (M) - ST Harnesses	FB1-EN-BTMLM	FB1-EN-XTMLM	FB1-EN-ATMLS	FB1-EN-CTMLM
1U Enclosure, (24) Duplex SC/ST Couplers, (4) preloaded MTP™ (M) - ST Harnesses	FB1-EN-BTMLM-24	FB1-EN-XTMLM-24	FB1-EN-ATMLS-24	FB1-EN-CTMLM-24
1U Enclosure, (24) MT-RJ(M) Multimode Couplers, (4) preloaded MTP™ (M) - MT-RJ(M)Harnesses	-	-	-	FB1-EN-CRMLM-24
1U Enclosure, (24) Duplex LC Couplers, (4) preloaded MTP™ (M) to LC Harnesses	FB1-EN-BLMLM-24	FB1-EN-XLMLM-24	FB1-EN-ALMLS-24	FB1-EN-CLMLM-24
1U Enclosure, (18) QUAD LC Couplers, (6) preloaded MTP™ (M) - LC Harnesses - 36 Duplex Ports	FB1-EN-BDMLM-36	FB1-EN-XDMLM-36	FB1-EN-ADMLS-36	FB1-EN-CDMLM-36
1U Enclosure, (24) QUAD LC Couplers, (8) preloaded MTP™ (M) - LC Harnesses - 48 Duplex Ports	FB1-EN-BDMLM-48	FB1-EN-XDMLM-48	FB1-EN-ADMLS-48	FB1-EN-CDMLM-48
1U Enclosure, (24) ESCON®/ST Couplers, (4) preloaded MTP™ (M) - ST Harnesses	-	-	-	FB1-EN-CQMLM-24
1U Enclosure Short 8" Depth, (24) ESCON®/ST Couplers, (4) preloaded MTP™ (M) to ST Harnesses	-	-	-	FB1-ES-CQMLM-24
<p>*Notes: 1) All Singlemode (9/125) MTP™ Connectors have angle polish ends (APC). 2) For premium OM3 performance, replace the letter 'X' in the part number with the letter 'Y'. This will provide singlemode ferrules and alignment sleeves for low loss, exacting core alignment. 3) 1 Rack Unit = 1U = 1.75 inches (4.445 cm) 4) MTP™ is a trademark of US Conec, Hickory, North Carolina, USA.</p>				



Enterprise Enclosures



4U Vertical Series Enclosure

Suitable for 19" and 23" mounting applications; supports connector panels and 'plug and play' style modules.

6U Vertical Series Enclosure

Suitable for 19" and 23" mounting applications; supports connector panels and 'plug and play' style modules.

6U & 9U Hinged Panel Enclosures

These ultra-high density 19-inch rack mount solutions feature both front and rear access to the LC connectors.

4U & 6U Vertical Module Enclosure System Discrete Components		4U Series		6U Series	
Description	Glass Type	Component Part No.	Port Count	Component Part No.	Port Count
Unloaded enclosure	All Sizes	FB4-ENCL	Holds 6-4U modules	FB6-ENCL	Holds 12-6U modules
Blank/Filler Panel	All Sizes	FB4-BLANK	N/A	FB6-BLANK	N/A
SC Duplex Module w/harness; Duplex SC - MTP™(M)	50/125	FB4-MOD-SN-50	6	FB6-MOD-SN-50	6
SC Duplex Module w/harness; Duplex SC - MTP™(M)/APC*	9/125 Singlemode	FB4-MOD-SH-10	6	FB6-MOD-SH-10	6
LC Duplex Module w/harness Duplex LC - Dual MTP™(M)	50/125-10Gig/300m*	FB4-MOD-LN-X5	12	FB6-MOD-LN-X5	12
LC Duplex Module w/harness Duplex LC - Dual MTP™(M)/APC	9/125 Singlemode	FB4-MOD-LH-10	12	FB6-MOD-LH-10	12
Duplex SC/SC Multimode Coupler Panel	All Multimode	FB4-SS-MM	6	FB6-SS-MM	6
Duplex SC/SC Singlemode Coupler Panel	9/125 Singlemode	FB4-SS-SM	6	FB6-SS-SM	6
Duplex LC/LC Multimode Coupler Panel	All Multimode	FB4-LL-MM	12	FB6-LL-MM	12
Duplex LC/LC Singlemode Coupler Panel	9/125 Singlemode	FB4-LL-SM	12	FB6-LL-SM	12

4U & 6U Vertical Module Enclosure System Factory Assembled Enclosures		4U Series		6U Series	
Description	Preloaded Enclosure Glass Type	Part No.	# Modules - enclosure / Max. # modules - enclosure / Dplx ports - module / # Dplx ports - enclosure	Preloaded Enclosure Part No.	# Modules - enclosure / Max. # modules - enclosure / Dplx ports - module / # Dplx ports - enclosure
Loaded w/ESCON - MTP™(M) modules	62.5/125	FB4-3MOD-QN-62	3 / 6 / 6 / 18	FB6-6MOD-QN-62	6 / 12 / 6 / 36
Loaded w/ESCON - MTP™(M) modules	62.5/125	FB4-6MOD-QN-62	6 / 6 / 6 / 36	FB6-12MOD-QN-62	12 / 12 / 6 / 72
Loaded w/Duplex SC - MTP™(M) Modules	50/125	FB4-3MOD-SN-50	3 / 6 / 6 / 18	FB6-6MOD-SN-50	6 / 12 / 6 / 36
Loaded w/Duplex SC - MTP™(M) Modules	50/125	FB4-6MOD-SN-50	6 / 6 / 6 / 36	FB6-12MOD-SN-50	12 / 12 / 6 / 72
Loaded w/Duplex LC - Dual MTP™(M) Modules	50/125	FB4-3MOD-LN-50	3 / 6 / 12 / 36	FB6-6MOD-LN-50	6 / 12 / 12 / 72
Loaded w/Duplex LC - Dual MTP™(M) Modules	50/125	FB4-6MOD-LN-50	3 / 6 / 12 / 36	FB6-12MOD-LN-50	12 / 12 / 12 / 144
Loaded w/Duplex LC - Dual MTP™(M) Modules	50/125-10Gig/300m*	FB4-3MOD-LN-X5	3 / 6 / 12 / 36	FB6-6MOD-LN-X5	6 / 12 / 12 / 72
Loaded w/Duplex LC - Dual MTP™(M) Modules	50/125-10Gig/300m*	FB4-6MOD-LN-X5	6 / 6 / 12 / 72	FB6-12MOD-LN-X5	12 / 12 / 12 / 144
Loaded w/Duplex LC - Dual MTP™(M)-APC Modules	9/125 Singlemode	FB4-3MOD-LH-10	3 / 6 / 12 / 36	FB6-6MOD-LH-10	6 / 12 / 12 / 72
Loaded w/Duplex LC - Dual MTP™(M)-APC Modules	9/125 Singlemode	FB4-6MOD-LH-10	6 / 6 / 12 / 72	FB6-12MOD-LH-10	12 / 12 / 12 / 144
Loaded w/Duplex SC/SC Coupler Panel	All Multimode	FB4-3SS-MM	3 / 6 / 6 / 18	FB6-6SS-MM	6 / 12 / 6 / 36
Loaded w/Duplex SC/SC Coupler Panels	All Multimode	FB4-6SS-MM	6 / 6 / 6 / 36	FB6-12SS-MM	12 / 12 / 6 / 72
Loaded w/Duplex SC/SC Coupler Panels	9/125 Singlemode	FB4-3SS-SM	3 / 6 / 6 / 18	FB6-6SS-SM	6 / 12 / 6 / 36
Loaded w/Duplex SC/SC Coupler Panels	9/125 Singlemode	FB4-6SS-SM	6 / 6 / 6 / 36	FB6-12SS-SM	12 / 12 / 6 / 72
Loaded w/Duplex LC/LC Coupler Panels	All Multimode	FB4-3LL-MM	3 / 6 / 12 / 36	FB6-6LL-MM	6 / 12 / 12 / 72
Loaded w/Duplex LC/LC Coupler Panels	All Multimode	FB4-6LL-MM	6 / 6 / 12 / 72	FB6-12LL-MM	12 / 12 / 12 / 144
Loaded w/Duplex LC/LC Coupler Panels	9/125 Singlemode	FB4-3LL-SM	3 / 6 / 12 / 36	FB6-6LL-SM	6 / 12 / 12 / 72
Loaded w/Duplex LC/LC Coupler Panels	9/125 Singlemode	FB4-6LL-SM	6 / 6 / 12 / 72	FB6-12LL-SM	12 / 12 / 12 / 144

*Notes: 1) MTP™ connector with male alignment pins with an 8 degree angle polish; MTP™ is a trademark of US Conec, Hickory, North Carolina, USA.
 2) For premium OM3 performance, replace the letter 'X' in the part number with the letter 'Y'. This will provide singlemode ferrules and alignment sleeves for low loss, exacting core alignment.

6U & 9U High-Density Hinged Panel Series				
Description	Coupler Type	Number of Duplex Couplers	Loaded with Singlemode Couplers	Loaded with Multimode Couplers
6U Black Enclosure, 8 inches (20.3cm) Depth, 1 Piece Hinged Panel Insert	Duplex LC Coupler	144	FK6-144-LL-SM	FK6-144-LL-MM
6U Black Enclosure, 8 inches (20.3cm) Depth, 1 Piece Hinged Panel Insert, Hex Marking	Duplex LC Coupler	144	FK6-144-LLH-SM	FK6-144-LLH-MM
6U Black Enclosure, 8 inches (20.3cm) Depth, 1 Piece Hinged Panel Insert	Duplex LC Coupler	192	FK6-192-LL-SM	FK6-192-LL-MM
6U Black Enclosure, 8 inches (20.3cm) Depth, 1 Piece Hinged Panel Insert	Duplex LC Coupler	252	FK6-252-LL-SM	FK6-252-LL-MM
9U Black Enclosure, 8 inches (20.3cm) Depth, 1 Piece Hinged Panel Insert	Duplex LC Coupler	256	FK9-256-LL-SM	FK9-256-LL-MM



Enterprise Product Series

The Two Enterprise Module Footprints

THE 4U & 6U MODULE PLATFORMS

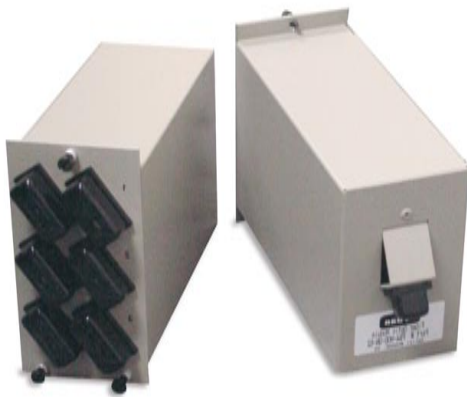
The Enterprise Enclosure series has two standard module platforms: the 4U and the 6U enclosures. The 4U enclosure has a single module width while the 6U design has a single and double width module available.



A standard 4U enclosure outfitted with a variety of modules and faceplates

A standard 6U enclosure outfitted with a variety of modules and faceplates

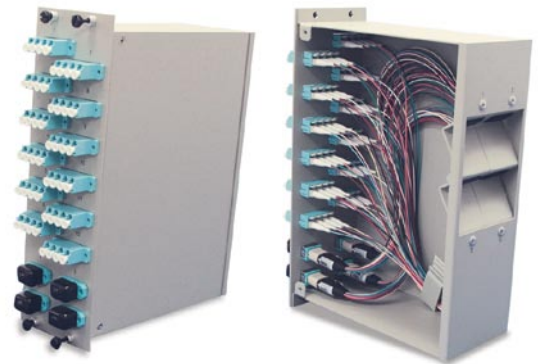
Single-width 4U Module Example



Single-width 6U Module



Double-width 6U Module (Side Cover Removed to Show Internal Wiring.)



Double-width LC-MTP™ Module Options

Part Number	Module Description	MTP™ Location
FB6D-MOD-LN-62-F	62.5/125, beige LCs, 48 fibers/24 duplex ports	Front exit
FB6D-MOD-LN-50-F	50/125, black LCs, 48 fibers/24 duplex ports	Front exit
FB6D-MOD-LN-X5-F	50/125 OM3, aqua LCs, 48 fibers/24 duplex ports	Front exit
FB6D-MOD-LN-10-F	9/125 SM, blue LCs, 48 fibers/24 duplex ports, MTP™ (M) APC ports	Front exit
FB6D-MOD-LN-62-R	62.5/125, beige LCs, 48 fibers/24 duplex ports	Rear exit
FB6D-MOD-LN-50-R	50/125, black LCs, 48 fibers/24 duplex ports	Rear exit
FB6D-MOD-LN-X5-R	50/125 OM3, aqua LCs, 48 fibers/24 duplex ports	Rear exit
FB6D-MOD-LN-10-R	9/125 SM, blue LCs, 48 fibers/24 duplex ports, MTP™ (M) APC ports	Rear exit



Enterprise Product Series Brackets and Conversion Kits

SERVER, SWITCH AND STORAGE MTP™ BRACKETS

MTP™ Brackets are used to transition between MTP™ cable harnesses and MTP™ trunk assemblies.

The brackets are mounted inside server, switch or storage devices and each holds MTP™ adapters for trunk to harness connections. Only the most popular bracket kits are listed below.

Custom brackets can be quickly developed upon request.

BR-1X10Z900L Bracket



BR-1X6BFMTPL Bracket (Side A View)



BR-2X6CTRX-RGT Bracket



BR-1X6BFMTPL Bracket (Side B View)

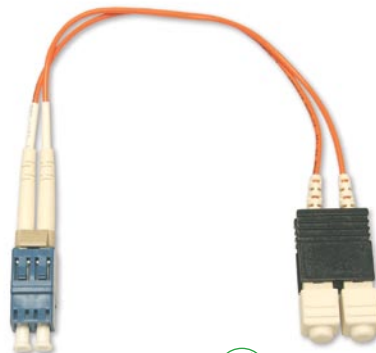


Brackets		
Part Number	Product Description	
K-2064B-2X2 BR-1X10Z900L BR-Z900MTG	Bracket Kit: Includes Two IBM Z900 Series Mainframe 10-Position MTP Brackets Loaded w/Couplers, and Two Support Brackets for Mainframe MTP Bracket Mounting IBM Z900 Series Mainframe 10-Position MTP Bracket, Loaded w/Couplers; Note: IBM 11P4546 Equivalent Bracket Support Bracket for IBM Z900 Mainframe MTP Bracket Mounting	
BR-4X6MTPRL24 BR-4X6MTPRL12	1U Bracket 24 Pos for CNT / Inrange FC 9000 switch, (AKA IBM 2042), C-Shaped with Mounting Flanges, 24 MTP Couplers Loaded 1U Bracket 24 Pos for CNT / Inrange FC 9000 switch, (AKA IBM 2042), C-Shaped with Mounting Flanges, 12 MTP Couplers Loaded	
BR-1X6BFMTPL BR-1X6MTPL BR-2X6MTPL BR-3X4MTPL	Adapter Bracket Loaded with 6 MTP/MTP Adapters, For IBM 9672 Mainframe & Others Adapter Bracket Loaded with 6 MTP/MTP Adapters With Lip Adapter Bracket Loaded with 12 MTP/MTP Adapters 2 Rows of 6 Adapter Bracket Loaded with 12 MTP/MTP Adapters 3 Rows of 4	
BR-2X6CTRX-LFT BR-2X6CTRX-RGT	Adapter Bracket Loaded 12 MTP/MTP Adapters for EMC Connectrix Storage Equipment, Hinged, Left-Hand Mount Adapter Bracket Loaded 12 MTP/MTP Adapters for EMC Connectrix Storage Equipment, Hinged, Right-Hand Mount	
Conversion Kits		
Part Number	Conversion	Description
KL-10LT002-STSM KL-50LT002-STMM KL-62LT002-STMM	SC into LC, 9/125 SM SC into LC, 50/125 SC into LC, 62.5/125	2 meter LC-ST SM + ST/SC Duplex Coupler SM 2 meter LC-ST 50um + ST/SC Duplex Coupler MM 2 meter LC-ST 62.5um + ST/SC Duplex Coupler MM
KL-10LS002-LLSM KL-50LS002-LLMM KL-62LS002-LLMM	LC into SC, 9/125 SM LC into SC, 50/125 LC into SC, 62.5um	2 meter SC-LC SM + LC/LC Duplex Coupler SM 2 meter SC-LC 50um + LC/LC Duplex Coupler MM 2 meter SC-LC 62.5um + LC/LC Duplex Coupler MM
KL-62RT002-QTMM KL-62LT002-QTMM	ESCON into MT-RJ, 62.5/125 ESCON into LC, 62.5/125	2 Meter MT-RJ(F) to ST 62.5um + ESCON/ST Coupler 2 Meter LC to ST 62.5um + ESCON/ST Coupler
KL-62KL002-RRMM	MT-RJ to LC, 62.5/125	2 Meter LC to MT-RJ(M) 62.5um + MTRJ Coupler

KL-62RT002-QTMM



KL-50LS002-LLMM



KL-10LT002-STSM



Actual product may differ slightly from products shown in photographs.

Specialty / Custom Product Series

Loopbacks and Attenuated Wrap Plugs

TEST PLUGS FOR EVERY LOOPBACK APPLICATION.

We offer LC, MT-RJ, SC, MTP™ and ESCON™ test loopbacks and attenuated wrap plugs for both singlemode and multimode applications.

For 50/125 glass measured with 850nm VCSEL (laser) light sources or for 62.5/125 glass measured with 1300nm LED light sources, we offer a range of insertion losses - from 1 dB to 9 dB, or custom designs of other losses with a 9 dB maximum. Our loopback design features a protective rear cover, available with custom logos or colors.

For singlemode applications, the common loss options for attenuated wrap plugs are 5, 10, and 15 dB, tested with 1310nm laser sources.

We offer custom-built attenuated wrap plugs with loss options from 4 dB to 25 dB, tested with either 1300nm or 1550nm sources.

ESCON™, Duplex SC and MT-RJ multimode loopbacks are available in a range of options. Our 1-piece booted design is a rugged solution for in-field or laboratory testing.

Loopbacks and Attenuated Wrap Plugs		
Connector Family	Description/Glass Type	Part Number
ESCON™	ESCON 62.5 / 125 Test Loopback	JL-HQQ-0075
LC Attenuated	9/125 Nominal Loss-5dB (4.5dB - 5.5dB Using 1310nm LASER)	JL-ALL-4555
LC Attenuated	9/125 Nominal Loss-10dB (9dB - 11dB Using 1310 nm LASER)	JL-ALL-A0911
LC Attenuated	9/125 Nominal Loss-15dB (14dB - 17dB Using 1310nm LASER)	JL-ALL-A1317
LC attenuated	50/125 Nominal Loss-3dB (2.5dB - 3.5dB Using 850nm VCSEL)	JL-BLL-2535
LC attenuated	50/125 Nominal Loss-6dB (5dB - 7dB Using 850nm VCSEL)	JL-BLL-5070
LC attenuated	50/125 Nominal Loss-9dB (8dB - 10dB Using 850nm VCSEL)	JL-BLL-A0810
LC attenuated	62.5/125 Nominal Loss-3dB (2.5dB - 3.5dB Using 1300nm LED)	JL-HLL-2535
LC attenuated	62.5/125 Nominal Loss-6dB (5dB - 7dB Using 1300nm LED)	JL-HLL-5070
LC attenuated	62.5/125 Nominal Loss-9dB (8dB - 10dB Using 1300nm LED)	JL-HLL-A0810
LC standard	LC Singlemode Loopback - 1 - 4dB 1310nm	JL-ALL-1040
LC standard	LC Loopback 50/125, 0 - 1.5dB 850nm VCSEL	JL-BLL-0015
LC standard	LC Loopback 50/125, loss 1 - 3dB 1300nm LED	JL-FL-1030
LC standard	LC Loopback 62.5/125, loss 0 - 1.5dB 1300nm LED	JL-HLL-0015
MTP™ / MPO	12 Fiber - 24 (2x12) Position Fiber MPO Loopback 7dB max @ 1300nm Straight Version, 1-13, 2-14...	JL-FMM12-113 (50um fiber)
MTP™ / MPO	4 Fiber MPO Loopback, High Loss 4dB max @ 850nm VCSEL, Cross Version 1-12, 2-11	JL-BMM4-011 (50um fiber)
MTP™ / MPO	4 Fiber MPO Loopback, Standard Loss 7dB max @ 1300nm LED, 1-9, 2-10...	JL-FMM4-08 (50um fiber)
MTP™ / MPO	6 Fiber - 12 Position Fiber MPO Loopback 7dB max @ 1300nm LED, 1-2, 3-4...	JL-FMM6-12 (50um fiber)
MT-RJ	MT-RJ (Female) Loopbacks, 50/125, loss 0 - 1.5dB 1300nm LED	JL-FRR-0015
MT-RJ	MT-RJ (Female) Loopbacks, 62.5/125, loss 0 - 1.5dB 1300nm LED	JL-HRR-0015
Duplex SC	SC Duplex Loopback 62.5/125, loss 0 - 1.5dB 1300nm LED	JL-HSS-0015
Duplex SC	SC Duplex Loopback 50/125, loss 0 - 1.5dB 850nm VCSEL	JL-BSS-0015
Duplex SC	SC Duplex Singlemode, Loopback 8.3/125, loss 0-1.5dB at 1310nm only	JL-ASS-0015

Splitter-Coupler Assembly



CUSTOM SPLITTER CONFIGURATIONS

We offer splitter / coupler assemblies with any connector configuration and loss target. Please specify light source type and wavelength at the time of your request.

MT-RJ Loopback



SC Singlemode Loopback



LC Singlemode Loopback



SC Multimode Loopback



LC Multimode Loopback



12 fiber MTP™ / MPO Loopback



24 fiber MTP™ / MPO Loopback



Specialty / Custom Product Series In-line and Cable Attenuators

AVAILABLE IN BOTH IN-LINE AND CABLE ASSEMBLY SERIES.

Used in CATV, telecom and broadcast transmission systems, attenuators are designed to reduce optical signal levels in communication systems to a desired operating power level to prevent receiver saturation and/or damage.

CSI Technologies attenuators offer stable and accurate attenuation values, low back-reflection and a number of connector and fiber combinations.

We offer fixed in-line, bulkhead and cable assembly attenuator styles. The products shown reflect the most common types.

If you have a specific attenuator need, please call us for a quote.

In-Line Attenuator Series				
Connector Type	Glass Type	Part Number*		
ST Female to ST Female ST Male to ST Female	Singlemode Singlemode	IN-ATTFBxx IN-ATTMFPxx		
LC Male to LC Female	Singlemode	IN-ALLMFPxx		
SC Female to SC Female SC Male to SC Female	Singlemode Singlemode	IN-ASSFFBxx IN-ASSMFPxx		
*Notes: xx indicates loss - ex. 05 is 5 dB. Standard 1310nm wavelength loss values are 5,10,15,20 dB. Call for custom loss orders.				
Cable Attenuator Series				
Connector Type	Singlemode Fiber @1310nm	Singlemode Loss Options (xxxx)	Multimode 50um fiber @850 VCSEL	Multimode Loss Options
ST to ST Simplex, 1M ST to SC Simplex, 1M ST to SC Simplex, 1M SC to LC Simplex, 2 mm jkt, 1M LC to LC Simplex, 2 mm jkt, 1M MTP™(F) to MTP™(F), 12 Fibers, 1M	JS-ATT001-Axxxx JS-AST001-Axxxx JS-ASS001-Axxxx JS-ALS001-Axxxx JS2-ALL001-Axxxx Call.	5 dB = 4555 10 dB = A0911 15 dB = A1416 20 dB = A1822 - -	JS-BTT001-Axxxx JS-BST001-Axxxx JS-BSS001-Axxxx JS-BLS001-Axxxx JS2-BLL001-Axxxx J12-BMM001-3060*	1 dB = 0515 3 dB = 2535 6 dB = 5070 8 dB = 7090
*Note: 3 to 6 dB				

Product Specifications

In-line Attenuation Range	Insertion Loss Tolerance	Cable & Loopback Attenuation Range	Insertion Loss Tolerance
.5 – 5 dB	+/- 0.5 dB	.5 – 5 dB	+/- 0.5 dB
>5 dB – 10 db	+/- 1.0 dB	5.1 dB – 10 db	+/- 1.0 dB
>10 dB	+/- 10% dB	>10 dB	+/- 10% dB

Length Tolerance on Cable Assembly Attenuators:

.5 meter minimum length, with tolerance the larger of +/- 0.25m or +/-10% of total length.

For attenuators 2 meters and under, the attenuator section is located approximately in the middle of the cable length. Over 2 meters, the attenuator section is located approximately .15 meters from the first connector end.

Attenuated MTP™ Jumper



In-line Series: ST Female to ST Female



In-line Series: ST Male to ST Female



In-line Series: LC Male to LC Female



In-line Series: SC Female to SC Female



In-line Series: SC Male to SC Female



Specialty / Custom Product Series

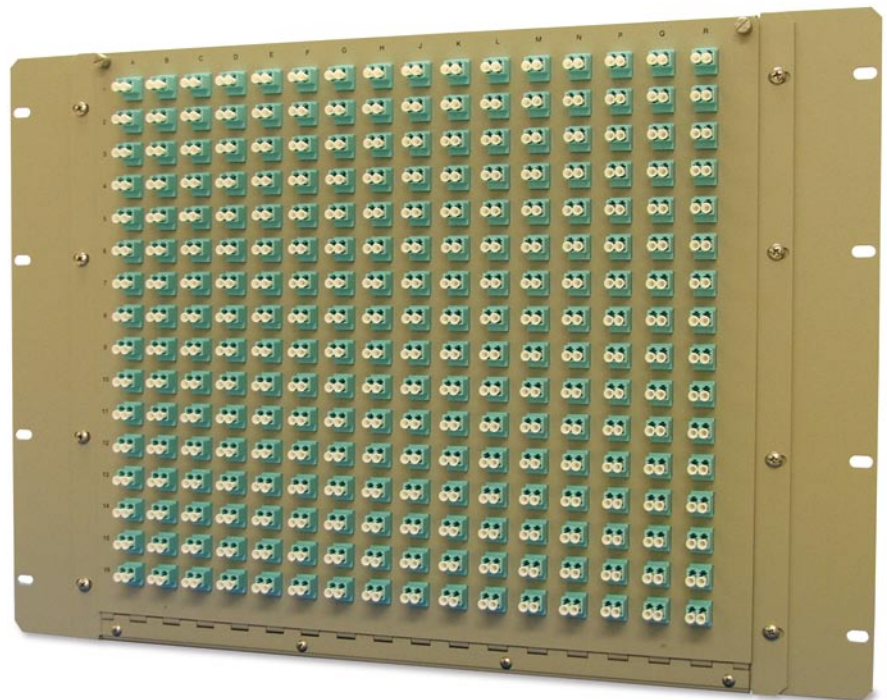
Custom Enclosures

CHALLENGING DESIGN ISSUE? WE CAN SOLVE IT.

While CSI Technologies offers a wide array of standard enclosure solutions for premise wiring and data center sites, users occasionally find they need a custom enclosure to solve a challenging design issue.

Utilize our in-house design services for your custom needs. The customization options we offer include:

- Color
- Enclosure size
- Rack mounting width or depth
- Connector style
- Packaging
- Marking & Logos
- Multi-product integration
- Cable, pigtail or harness loading and testing
- Splicing or splice tray loading
- Silkscreen numbering or lettering



Bend Radius Control

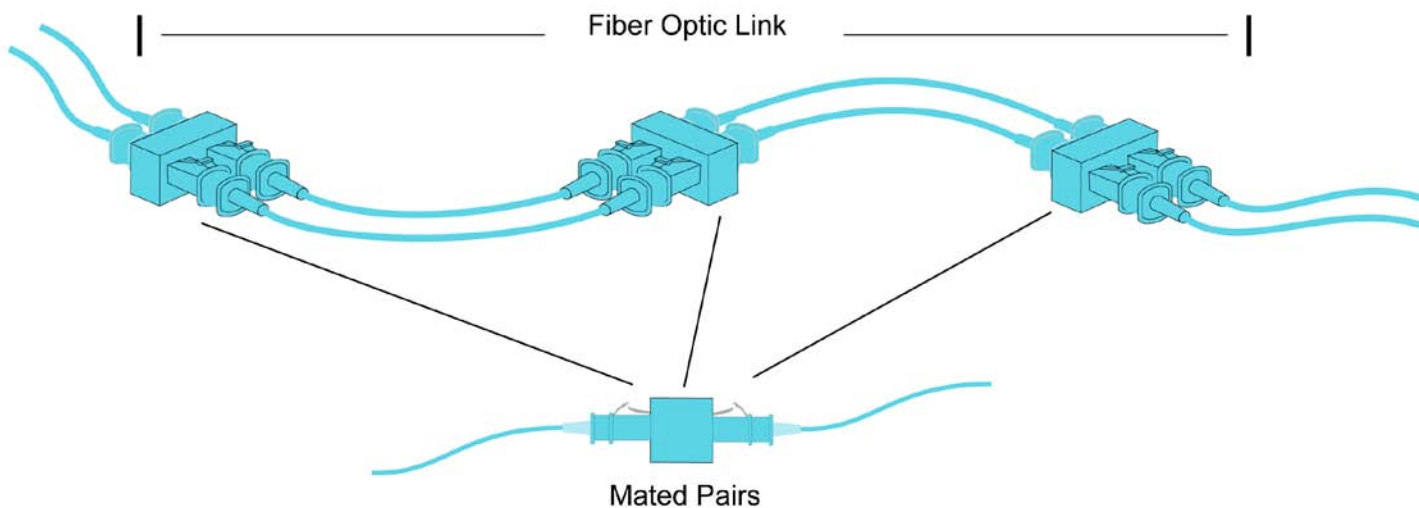
High fiber count trunking solutions require bend radius control. Staggered leg lengths on trunks, custom port numbering on enclosures and customized strain relief panels are all options available upon request.

Custom Enclosures

CSI Technologies offers a range of options for complete customization of enclosure solutions. Shown here are the 48-port module (top) and 9U enclosure (bottom).

Technical Information

LINK LOSS CONTROL



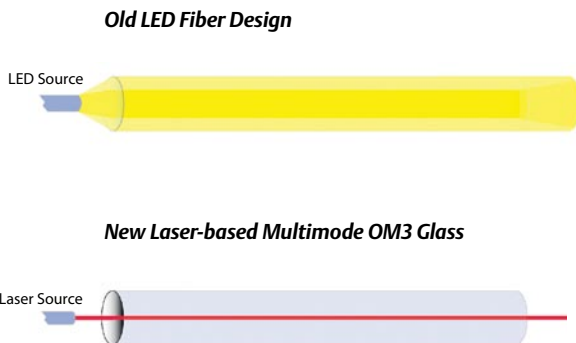
CSI TECHNOLOGIES OFFERS SUPERIOR LINK-LOSS CONTROL

In any given data center infrastructure, the number of connector to connector mated pairs varies. Each connection is a point of loss. By using ferrules with tight tolerances and excellent polishing controls, we can minimize both the light loss and the modal power variation at the transition points.



CUSTOM HOLE TOLERANCES AVAILABLE

The ceramic ferrules using in the LC connectors can be produced with different hole tolerances. The tighter the hole diameters in the ferrule, the better the core-to-core alignment resulting in lower losses and better modal power handling.



LASER-BASED LINKS EQUAL EXCELLENT PERFORMANCE

In older designs, Light Emitting Diodes (LEDs) completely filled the fiber. With highspeed, laser-based solutions in multimode OM3 glass, the tiny spot size requires excellent launch conditions not only at the transmitter but throughout the link.



CERAMIC SLEEVES IMPROVE CORE-TO-CORE ALIGNMENT

CSI Technologies uses ceramic alignment sleeves in its aqua LC couplers to reduce core-to-core mating offset thereby improving OM3 links

TECHNICAL SPECIFICATIONS FOR 10 GBPS APPLICATIONS ON ENHANCED 50/125 GLASS (OM3)

Multimode Optical Fiber Performance Characteristics										
			Overfilled Launch				Laser		Laser	
			Attenuation (typical)		Bandwidth		1 Gb Link Length		10 Gb Link Length	
	Enterprise Products Cable	Enterprise Products Cable	@850nm	@1300nm	@850nm	@1300nm	@850nm	@1300nm	@850nm	@1300nm
"Buzzword"	Code-Discrete	Code-Ribbon	dB/km	dB/km	MHz/km	MHz/km	Meters	Meters	Meters	Meters
Standard 62.5/125	062	C	3.5	1.2	200	600	300	550	35	N/A
GL600 50/125	050	B	3.5	1.2	500	500	600	600	82	N/A
GL2000** 50/125	F50	F	3.5	1.2	500	800	750	2000	110	N/A
LL300*** 50/125	X50	X	3.5	1.2	1500	500	900	550	300	N/A

Note: ** GL2000 is not stocked but available on a custom order basis
 *** LL300* is a 50/125 multimode optical glass optimized for operation in the 850nm window for up to 300 meter link distances in 10 Gigabit Ethernet Systems. LL300 has an effective modal bandwidth of 2000 MHz-km in the 850 nm window for 10 Gigabit Ethernet as well as 4 GB - 10 GB Fibre Channel applications. This glass complies with the TIA-492AAAC specification and the effective modal bandwidth(EFB) at 850nm is determined in compliance per IEC PAS 60793-1-49 or TIA/EIA 455-220.

MIXING 50/125 GLASS TYPES

When different types of 50/125 glass are mixed, effective distance is decreased by the lower performing glass. An example of the derating of the distance is shown in the table below.

Mix of Glass Types	10 Gigabit Ethernet Link Distance (Transmitter to Receiver)
100% GL600 (Orange)	82 Meters
80% LL300, 20% GL600	256 Meters
90% LL300, 10% GL600	283 Meters
100% LL300 (Aqua)	300 Meters

OUR ENTERPRISE LINE: THE RIGHT PRODUCTS WITH THE RIGHT RELIABILITY AND DESIGN FEATURES.

OUR ENTERPRISE-CLASS PRODUCTS ARE DESIGNED AND TESTED FOR TODAY'S COMMUNICATION LINK SPEEDS.

As serial data communication link speeds continue to rise, one important factor to consider is the decrease in link budget that results. While FDDI link budgets in the early 1990s had a generous link budget of 11 dB, today's link budgets are 3 dB or less in many cases. Add the increased connector density of optical devices on modern information technologies equipment and the result is that today's optical cabling has to be half the physical size and weight of generation 1 and 2 optical connectors, far lower in cost with greatly

improved reliability. On top of all this, they have to be delivered with far lower, more predictable insertion losses than ever before.

Our Enterprise-class optical cable products have been designed and tested with these considerations in mind. As an industry-leading supplier of optical assemblies since fiber was first used on mainframe computers, you can count on us to deliver the right product, with the reliability and design features for the latest technology.

RoHS COMPLIANCY STATEMENT

The Reduction of Hazardous Substances (RoHS) regulations in Europe are driving producers to eliminate certain potentially harmful raw materials from their products. Our Enterprise products comply with the RoHS regulations. Many of the Premise Wiring products comply as well. Contact us for RoHS compliance details.



Technical Information Reliability Testing

CSI TECHNOLOGIES' CONTROLLED FACTORY ASSEMBLY PROCESSES

Long-term reliability of an optical assembly requires more than controlled factory assembly processes. Connector, crimp, cable and epoxy components must also be designed to work within the environmental extremes likely to be encountered by the user.

Our dedicated examination procedures of the different failure modes associated with fiber optic assemblies assure the design will meet long-term reliability expectations of the application.

CSI Technologies' laboratory performs key reliability tests, including:

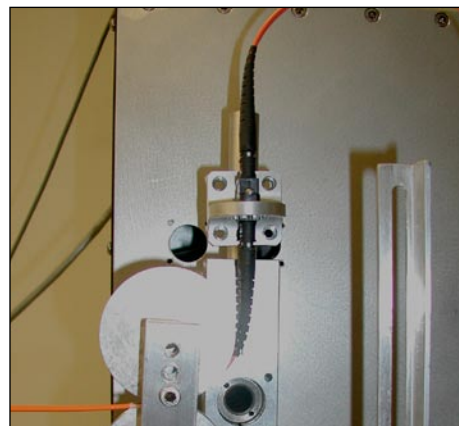
- Ship-shock
- Vibration
- Thermal & Humidity Cycling
- Axial & Off-Axial Pull
- Rotation (360 degree)
- Skew (parallel speed differential)
- Bit Error Rate Evaluations
- Multi-transceiver performance evaluations on OM1, OM2, OM3, SM glass types
- LED versus VCSEL versus F-B Laser loss comparisons
- Multi-component link loss
- Mating Durability
- Single fiber / Multifiber Interferometry (protrusion / geometry)



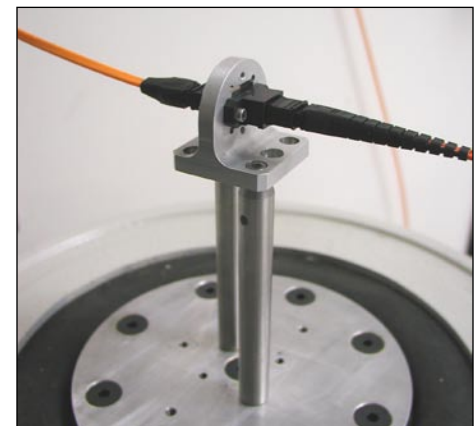
Thermal Shock Testing Chamber



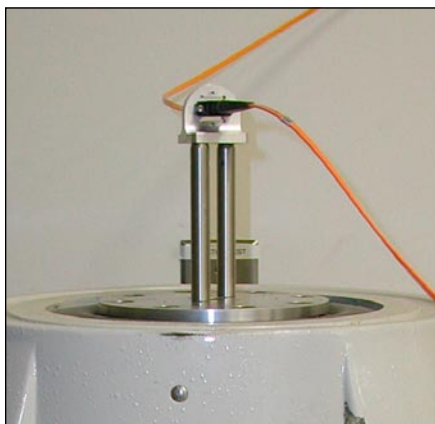
Thermal and Humidity Testing Chamber



Flex Testing



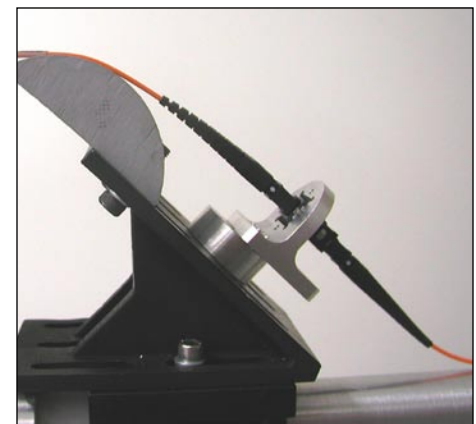
Vibration Testing



Single Axis Rotation Testing



Connector Twist Testing



Off-Axial Pull Testing

Technical Information

Testing OM3 Links in the Field

OM3 LINK LOSS: FACTORY VS. FIELD TESTING

The use of high performance 50 μm multimode fibers (OM3) is an increasingly popular migration path that allows higher data speeds of the future with backwards compatibility. Though conventional applications using this fiber tend to run less than 300 meters, runs of 550 meters are possible and the number of connector pairs may be 6 or higher.

Historically, system integrators have designed short distance optical links based solely on loss budgets, since the signal degradations are less severe when the distance is shortened at the expense of the connector loss. More advanced trade-offs are possible.

Research has shown that link loss testing for OM3 links is dependent on the actual light source used.

If the radius of the 86% encircled flux $R(\text{EF}=86\%)$ of the light source is 19 μm , link losses will be higher than if the source encircled flux is lower. Higher radius $R(\text{EF}=86\%)$ means that more power is launched into higher order modes of the optical glass.

The IEEE standard requires that the $R(\text{EF}=86\%)$ is limited to 19 μm for 10 Gbps serial sources used in OM3 fiber links. This limit will ensure that the fiber will support the distance of 10 Gbps over the 300 meter distance.

However, what happens if the value is 18 μm or 17 μm or 16 μm ? Light launched into fiber connectors in links with multiple connector pairs see the accumulated impact of all fiber core-to-core offset transitions. Each connector transition may cause the light to propagate through a different set of modes in the fiber optic glass.

There are 146 modes in a 50/125 OM3 optical fiber and each mode has differing loss and dispersion characteristics. Losses from the individual connectors may be minimal at the factory assembly level but the accumulation of these modal transition losses in the field may cause the entire link to exceed, sometimes significantly, the 2.6 dB power budget.

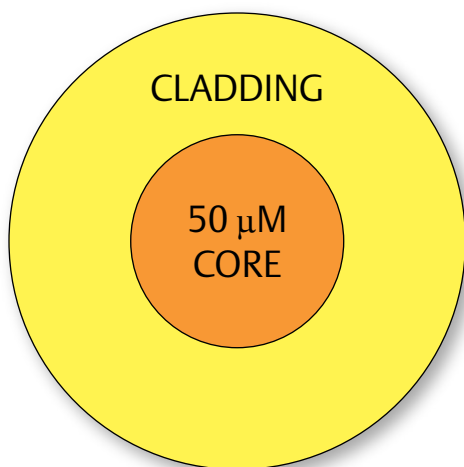
In the field, if the $R(\text{EF}=86\%)$ is 19 μm , the losses will be much higher than if the $R(\text{EF}=86\%)$ is 16 μm . The impact of this on the field testing community is very significant.

Users designing for worst case $R(\text{EF}=86\%)$ of 19 μm may find that they cannot make the final link meet the budget but other users designing for a more typical light source value (say 17.5 μm) will have a far easier time getting a link under the power budget.

Installers can no longer blindly follow link loss budget rules when dealing with OM3-based glass links. The transceivers being used should be taken into consideration, especially if the application will be pushing either the 300 meter distance or having more than 5 connector pairs other than the source and receiver ports.

If a project will have very long distances and many connector pairs, this information will tell the component designers of the trunks and cables to use tighter tolerance ferrules and high quality coupler alignment sleeves to minimize the core-to-core alignment offset. This will result in lower link losses and less dispersion, providing a more reliable link with more loss margin.

ENCIRCLED FLUX AS RELATED TO TESTING



IEEE 802.3ae Light Source Requirements

To comply with the light source requirements of IEEE 802.3ae, the source power in the near-field image must meet the following requirements:

> 86% of the launched light power into the fiber core must be inside a circle of 38 μm diameter.
Term: $R(\text{EF}=86\%)$

< 30% of the launched light power into the fiber core must be inside a circle of 9 μm diameter

What This Means:

In layman's terms, there cannot be too much light power launched into the center of the fiber core, nor can there be too much power launched on the outer edges of the core.

50/125 OM3 Glass Fiber Cross-Section

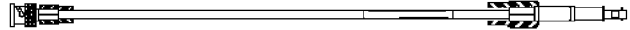
Coaxial Cable Assemblies

Offering custom configurations of 720, 734 and 735 coax in single patchcords and multiple conductor assemblies. We offer the highest quality connection that brings integrity and peace of mind to the DS3 network. Listed by the OEM and Technology, these assemblies are staggered for the convenience of the coax to lay out to be laced and dress out the way our industry adheres.



ADC

CROSS CONNECT CABLES / 735A TYPE



CSI Tech Part No.	ADC Part No.	Description	Cable Type
CA1-0000-X27-C00-1	3AC-BBDAXX	D/E Straight BNC w/ Messenger Wire	1C 735A
CA1-0000-X98-C00-1	3AC-BBDDXX	D/E Straight BNC w/ Messenger Wire	2C 735A
CA1-0000-X01-C00-1	LCP-612XXX	D/E LCC w/ Messenger Wire	1C 735A
CA1-0000-X02-C00-1	LCP-616XXX	D/E LCC w/ Messenger Wire	2C 735A
CA1-0000-X03-C00-1	LCP-642XXX	D/E LCC to Straight BNC w/ Messenger Wire	1C 735A
CA1-0000-X04-C00-1	LCP-646XXX	D/E LCC to Straight BNC w/ Messenger Wire	2C 735A
CA1-0000-X68-C00-1	N/A	D/E ADC LCC to Straight BNC	1C 735A
CA1-0000-X16-C00-1	N/A	D/E LCC to Mini Weco	1C 735A
CA1-0000-X05-C00-1	LCP-851XXX	S/E LCC to STUB	1C 735A
CA1-0000-Y15-C00-1	LCP-817XXX	S/E LCC to STUB	3C 735A
CA1-0000-Y16-C00-1	LCP-827XXX	S/E LCC to STUB	6C 735A
CA1-0000-Y17-C00-1	LCP-847XXX	S/E LCC to STUB	12C 735A

**ADC / LUCENT DSX PANEL
SINGLE-ENDED - 3 Conductor**

*DSX In & Out Circuits 1-24 (Set of 16 S/E Cables)
Description: 735A 3 Conductor with Straight BNC*

CSI Tech Part No.	Qty	Application
CA1-0000-S29-C00-1	16	DSX Panel In/Out (1-24)
Cable Set includes the cables listed below:		
CA1-0000-S29-C01-1	1	DSX In (1-3)
CA1-0000-S29-C02-1	1	DSX Out (1-3)
CA1-0000-S29-C03-1	1	DSX In (4-6)
CA1-0000-S29-C04-1	1	DSX Out (4-6)
CA1-0000-S29-C05-1	1	DSX In (7-9)
CA1-0000-S29-C06-1	1	DSX Out (7-9)
CA1-0000-S29-C07-1	1	DSX In (10-12)
CA1-0000-S29-C08-1	1	DSX Out (10-12)
CA1-0000-S29-C09-1	1	DSX In (13-15)
CA1-0000-S29-C10-1	1	DSX Out (13-15)
CA1-0000-S29-C11-1	1	DSX In (16-18)
CA1-0000-S29-C12-1	1	DSX Out (16-18)
CA1-0000-S29-C13-1	1	DSX In (19-21)
CA1-0000-S29-C14-1	1	DSX Out (19-21)
CA1-0000-S29-C15-1	1	DSX In (22-24)
CA1-0000-S29-C16-1	1	DSX Out (22-24)

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ADC DSX PANEL**SINGLE-ENDED - 6 Conductor**

In & Out Circuits 1-24 (Set of 8 S/E Cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Qty	Application
CA1-0000-S33-C00-1	8	ADC DSX Panel In/Out (1-24)
Cable Set includes the cables listed below:		
CA1-0000-S33-C01-1	2	In/Out (1-6)
CA1-0000-S33-C02-1	2	In/Out (7-12)
CA1-0000-S33-C03-1	2	In/Out (13-18)
CA1-0000-S33-C04-1	2	In/Out (19-24)

ADC DSX PANEL**SINGLE-ENDED - 6 Conductor**

In & Out Circuits 1-24 (Set of 8 S/E Cables)

Description: 734D 6 Conductor with Straight BNC

CSI Tech Part No.	Qty	Application
CA1-0000-W07-C00-1	8	ADC DSX Panel In/Out (1-24)
Cable Set includes the cables listed below:		
CA1-0000-W07-C01-1	1	In (1-6)
CA1-0000-W07-C02-1	1	Out (1-6)
CA1-0000-W07-C03-1	1	In (7-12)
CA1-0000-W07-C04-1	1	Out (7-12)
CA1-0000-W07-C05-1	1	In (13-18)
CA1-0000-W07-C06-1	1	Out (13-18)
CA1-0000-W07-C07-1	1	In (19-24)
CA1-0000-W07-C08-1	1	Out (19-24)

ADC DSX PANEL**SINGLE-ENDED - 12 Conductor**

In & Out Circuits 1-24 (Set of 4 Single-Ended Cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Qty	Application
CA1-0000-S35-C00-1	4	ADC DSX Panel In/Out (1-24)
Cable Set includes the cables listed below:		
CA1-0000-S35-C01-1	1	In (1-12)
CA1-0000-S35-C02-1	1	Out (1-12)
CA1-0000-S35-C03-1	1	In (13-24)
CA1-0000-S35-C04-1	1	Out (13-24)

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ALCATEL 1630
SINGLE-ENDED - 8 Conductor

In & Out Circuits 1-8 (Set of 2 S/E Cables) with Straight BNC Kits

Description: 735A 8 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-20Z-C00-1	S/E Straight BNC, Set of 2 w/Kits	1630

Cable Set includes the cables listed below:

CA1-0000-20Z-C01-1	S/E Straight BNC w/Kits	In (1-8)
CA1-0000-20Z-C02-1	S/E Straight BNC w/Kits	Out (1-8)

This Set includes 16 Straight BNC Connectors that are packaged separately.

ALCATEL 1630 ASYNC
SINGLE-ENDED - 8 Conductor

In & Out Circuits 1-8 (Set of 2 S/E Cables) with Straight BNC Kits

Description: 735A 8 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-21Z-C00-1	S/E Straight BNC, Set of 2 w/Kits	1631

Cable Set includes the cables listed below:

CA1-0000-21Z-C01-1	S/E Straight BNC, In w/Kits	In (1-8)
CA1-0000-21Z-C02-1	S/E Straight BNC, Out w/Kits	Out (1-8)

This Set includes 16 Straight BNC Connectors that are packaged separately.

ALCATEL 1603/12
SINGLE-ENDED - 12 Conductor

In & Out Circuits 1-12 (Set of 2 S/E Cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-S30-C00-1	S/E Straight BNC, Set of 2	1603/12

Cable Set includes the cables listed below:

CA1-0000-S30-C01-1	S/E Straight BNC	1A-12A
CA1-0000-S30-C02-1	S/E Straight BNC	1B-12B

ALCATEL 1603/12
SINGLE-ENDED - 12 Conductor

In & Out Circuits 1-12 (Set of 2 S/E Cables) with Straight BNC Kits

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-S31-C00-1	S/E Straight BNC, Set of 2 w/Kits	1603/12

Cable Set includes the cables listed below:

CA1-0000-S31-C01-1	S/E Straight BNC w/Kits	1A-12A
CA1-0000-S31-C02-1	S/E Straight BNC w/Kits	1B-12B

This Set includes 24 bulk Straight BNC Connectors that are packaged separately.

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ALCATEL 1631 SINGLE SI-36

SINGLE-ENDED - 12 Conductor

In & Out Circuits 1-36 (Set of 6 S/E Cables) with Straight BNC Kits

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-12Z-C00-1	S/E Straight BNC, Set of 6 w/Kits	1631 SI-36

Cable Set includes the cables listed below;

CA1-0000-12Z-C01-1	S/E Straight BNC w/Kits	1A-6A
CA1-0000-12Z-C02-1	S/E Straight BNC w/Kits	7A-12A
CA1-0000-12Z-C03-1	S/E Straight BNC w/Kits	13A-18A
CA1-0000-12Z-C04-1	S/E Straight BNC w/Kits	19A-24A
CA1-0000-12Z-C05-1	S/E Straight BNC w/Kits	25A-30A
CA1-0000-12Z-C06-1	S/E Straight BNC w/Kits	31A-36A

This Set includes 80 bulk Straight BNC Connectors that are packaged separately.

ALCATEL 1631 SINGLE SI-48

SINGLE-ENDED - 16 & 24 Conductor

In & Out Circuits 1-48 (Set of 5 S/E Cables) with Straight BNC Kits

Description: 735A 16 & 24 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-14Z-C00-1	S/E Straight BNC, Set of 5 w/Kits	1631 SI-48

Cable Set includes the cables listed below

CA1-0000-14Z-C01-1	S/E Straight BNC w/Kits	1A-12A
CA1-0000-14Z-C02-1	S/E Straight BNC w/Kits	13A-20A
CA1-0000-14Z-C03-1	S/E Straight BNC w/Kits	21A-32A
CA1-0000-14Z-C04-1	S/E Straight BNC w/Kits	33A-40A
CA1-0000-14Z-C05-1	S/E Straight BNC w/Kits	41A-48A

This Set includes 105 bulk Straight BNC Connectors that are packaged separately.

ALCATEL 1631 SINGLE SI-48

SINGLE-ENDED - 12 Conductor

In & Out Circuits 1-48 (Set of 8 S/E Cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-29Z-C00-1	S/E Straight BNC, Set of 8	1648 SM

Cable Set includes the cables listed below:

CA1-0000-29Z-C01-1	S/E Straight BNC, Set of 2	In (101-112) / Out (201-212)
CA1-0000-29Z-C02-1	S/E Straight BNC, Set of 2	In (113-124) / Out (213-224)
CA1-0000-29Z-C03-1	S/E Straight BNC, Set of 2	In (301-312) / Out (401-412)
CA1-0000-29Z-C04-1	S/E Straight BNC, Set of 2	In (313-324) / Out (413-424)

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**ALCATEL 1631 SINGLE SI-48
SINGLE-ENDED - 12 Conductor**

In & Out Circuits 1-48 (Set of 5 S/E Cables) with Straight BNC Kits

Description: 735A 12 Conductor with Straight BNC

ECSI Tech Part No.	Description	Application
CA1-0000-10Z-C00-1	S/E Straight BNC, Set of 8 w/Kits	1631 SI-48

Cable Set includes the cables listed below:

CA1-0000-10Z-C01-1	S/E Straight BNC w/Kits	1A - 6A
CA1-0000-10Z-C02-1	S/E Straight BNC w/Kits	7A - 12A
CA1-0000-10Z-C03-1	S/E Straight BNC w/Kits	13A - 18A
CA1-0000-10Z-C04-1	S/E Straight BNC w/Kits	19A - 24A
CA1-0000-10Z-C05-1	S/E Straight BNC w/Kits	25A - 30A
CA1-0000-10Z-C06-1	S/E Straight BNC w/Kits	31A - 36A
CA1-0000-10Z-C07-1	S/E Straight BNC w/Kits	37A - 42A
CA1-0000-10Z-C08-1	S/E Straight BNC w/Kits	43A - 48A

This Set includes 80 bulk Straight BNC Connectors that are packaged separately.

**ALCATEL 1633
SINGLE-ENDED - 6 Conductor**

In & Out Circuits 1-64 (Set of 24 S/E Cables) with Straight BNC Kits

Description: 734D 6 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-W13-C00-1	S/E Straight BNC, Set of 24 w/Kits	1633

Cable Set includes the cables listed below:

CA1-0000-W13-C01-1	S/E Straight BNC w/Kits	In (1-6)
CA1-0000-W13-C02-1	S/E Straight BNC w/Kits	In (7-12)
CA1-0000-W13-C03-1	S/E Straight BNC w/Kits	In (13-18)
CA1-0000-W13-C04-1	S/E Straight BNC w/Kits	In (19-24)
CA1-0000-W13-C05-1	S/E Straight BNC w/Kits	In (25-30)
CA1-0000-W13-C06-1	S/E Straight BNC w/Kits	In (31-32)
CA1-0000-W13-C07-1	S/E Straight BNC w/Kits	Out (1-6)
CA1-0000-W13-C08-1	S/E Straight BNC w/Kits	Out (7-12)
CA1-0000-W13-C09-1	S/E Straight BNC w/Kits	Out (13-18)
CA1-0000-W13-C10-1	S/E Straight BNC w/Kits	Out (19-24)
CA1-0000-W13-C11-1	S/E Straight BNC w/Kits	Out (25-30)
CA1-0000-W13-C12-1	S/E Straight BNC w/Kits	Out (31-32)
CA1-0000-W13-C13-1	S/E Straight BNC w/Kits	In (33-38)
CA1-0000-W13-C14-1	S/E Straight BNC w/Kits	In (39-44)
CA1-0000-W13-C15-1	S/E Straight BNC w/Kits	In (45-50)
CA1-0000-W13-C16-1	S/E Straight BNC w/Kits	In (51-56)
CA1-0000-W13-C17-1	S/E Straight BNC w/Kits	In (57-62)
CA1-0000-W13-C18-1	S/E Straight BNC w/Kits	In (63-64)
CA1-0000-W13-C19-1	S/E Straight BNC w/Kits	Out (33-38)
CA1-0000-W13-C20-1	S/E Straight BNC w/Kits	Out (39-44)
CA1-0000-W13-C21-1	S/E Straight BNC w/Kits	Out (45-50)
CA1-0000-W13-C22-1	S/E Straight BNC w/Kits	Out (51-56)
CA1-0000-W13-C23-1	S/E Straight BNC w/Kits	Out (57-62)
CA1-0000-W13-C24-1	S/E Straight BNC w/Kits	Out (63-64)

This Set includes 140 bulk Straight BNC Connectors that are packaged separately

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ALCATEL 1633**SINGLE-ENDED - 8 Conductor**

In & Out Circuits 1-64 (Set of 16 S/E Cables) with Straight BNC Kits

Description: 735A 8 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-22Z-C00-1	S/E Straight BNC, Set of 16 w/Kits	1633

Cable Set includes the cables listed below:

CA1-0000-22Z-C01-1	S/E Straight BNC w/Kits	In (1-8)
CA1-0000-22Z-C02-1	S/E Straight BNC w/Kits	In (9-16)
CA1-0000-22Z-C03-1	S/E Straight BNC w/Kits	In (17-24)
CA1-0000-22Z-C04-1	S/E Straight BNC w/Kits	In (25-32)
CA1-0000-22Z-C05-1	S/E Straight BNC w/Kits	Out (1-8)
CA1-0000-22Z-C06-1	S/E Straight BNC w/Kits	Out (9-16)
CA1-0000-22Z-C07-1	S/E Straight BNC w/Kits	Out (17-24)
CA1-0000-22Z-C08-1	S/E Straight BNC w/Kits	Out (25-32)
CA1-0000-22Z-C09-1	S/E Straight BNC w/Kits	In (33-40)
CA1-0000-22Z-C10-1	S/E Straight BNC w/Kits	In (41-48)
CA1-0000-22Z-C11-1	S/E Straight BNC w/Kits	In (49-56)
CA1-0000-22Z-C12-1	S/E Straight BNC w/Kits	In (57-64)
CA1-0000-22Z-C13-1	S/E Straight BNC w/Kits	Out (33-40)
CA1-0000-22Z-C14-1	S/E Straight BNC w/Kits	Out (41-48)
CA1-0000-22Z-C15-1	S/E Straight BNC w/Kits	Out (49-56)
CA1-0000-22Z-C16-1	S/E Straight BNC w/Kits	Out (57-64)

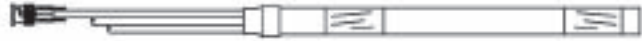
This Set includes 140 bulk Straight BNC Connectors that are packaged separately

ALCATEL
ADSL COAX CABLE


CSI Tech Part No.	Description	Cable Type
CA1-0000-U05-J00-1	Bonded Straight BNC to STUB	1C 734C
CA1-0000-U50-734-1	Bonded Straight BNC to Straight BNC	1C 734C
CA1-0000-X41-C00-1	734D Straight BNC to STUB	1C 734D
CA1-0000-X44-C00-1	734D Straight BNC to Straight BNC	1C 734D
CA1-0000-X31-C00-1	735A Straight BNC to STUB	1C 735A
CA1-0000-X34-C00-1	735A Straight BNC to Straight BNC	1C 735A
CA1-0000-U03-J00-1	Bonded Straight BNC to Straight BNC	1C 735C
CA1-0000-U07-J00-1	Bonded Straight BNC to STUB	1C 735C

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ALCATEL iMTN (For Sprint)
SINGLE-ENDED - 12 Conductor



Transmit & Receive Groups 1-4 (Set of 4 S/E Cables)

Description: 72012 12 Conductor with Straight BNC Kits

CSI Tech Part No.	Description	Application
CA1-0000-S48-C00-1	S/E Straight BNC, Set of 4 w/Kits	iMTN

Cable Set includes the cables listed below:

CA1-0000-S48-C01-1	S/E Straight BNC w/Kits	1-1T to 1-12T / 1-1R to 1-12R
CA1-0000-S48-C02-1	S/E Straight BNC w/Kits	2-1T to 2-12T / 2-1R to 2-12R
CA1-0000-S48-C03-1	S/E Straight BNC w/Kits	3-1T to 3-12T / 3-1R to 3-12R
CA1-0000-S48-C04-1	S/E Straight BNC w/Kits	4-1T to 4-12T / 4-1R to 4-12R

This Set includes 100 bulk Straight BNC Connectors that are packaged separately.

ALCATEL iMTN (For Sprint)
SINGLE-ENDED - 12 Conductor

Transmit & Receive Groups 1-4 (Set of 4 S/E Cables)

Description: 72012 12 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-S47-C00-1	S/E Straight BNC, Set of 4	iMTN

Cable Set includes the cables listed below:

CA1-0000-S47-C01-1	S/E Straight BNC	1-1T to 1-12T / 1-1R to 1-12R
CA1-0000-S47-C02-1	S/E Straight BNC	2-1T to 2-12T / 2-1R to 2-12R
CA1-0000-S47-C03-1	S/E Straight BNC	3-1T to 3-12T / 3-1R to 3-12R
CA1-0000-S47-C04-1	S/E Straight BNC	4-1T to 4-12T / 4-1R to 4-12R

ALCATEL iMTN**SINGLE-ENDED - 12 Conductor**

Transmit & Receive Groups 1-4 (Set of 4 S/E Cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-Z56-C00-1	S/E Straight BNC, Set of 4	iMTN
Cable Set includes the cables listed below		
CA1-0000-Z56-C01-1	S/E Straight BNC	1-1T to 1-12T / 1-1R to 1-12R
CA1-0000-Z56-C02-1	S/E Straight BNC	2-1T to 2-12T / 2-1R to 2-12R
CA1-0000-Z56-C03-1	S/E Straight BNC	3-1T to 3-12T / 3-1R to 3-12R
CA1-0000-Z56-C04-1	S/E Straight BNC	4-1T to 4-12T / 4-1R to 4-12R

ALCATEL iMTN**SINGLE-ENDED - 12 Conductor**

Transmit & Receive Groups 1-4 (Set of 4 S/E Cables)

Description: 735A 12 Conductor with Straight BNC Kits

CSI Tech Part No.	Description	Application
CA1-0000-Z57-C00-1	S/E Straight BNC, Set of 4 w/Kits	iMTN
Cable Set includes the cables listed below		
CA1-0000-Z57-C01-1	S/E Straight BNC w/Kits	1-1T to 1-12T / 1-1R to 1-12R
CA1-0000-Z57-C02-1	S/E Straight BNC w/Kits	2-1T to 2-12T / 2-1R to 2-12R
CA1-0000-Z57-C03-1	S/E Straight BNC w/Kits	3-1T to 3-12T / 3-1R to 3-12R
CA1-0000-Z57-C04-1	S/E Straight BNC w/Kits	4-1T to 4-12T / 4-1R to 4-12R

This Set includes 100 bulk Straight BNC Connectors that are packaged separately.

ALCATEL iMTN to ADC MINI DSX PANEL**SINGLE-ENDED - 12 Conductor**

Transmit & Receive Groups 1-4 (Set of 8 S/E Cables) w/LCC Kits

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-37Z-735-1	S/E Straight BNC, Set of 8 w/Kits	iMTN
Cable Set includes the cables listed below:		
CA1-0000-37Z-001-1	S/E Straight BNC, Set of 2	1-1T&R to 1-6T&R
CA1-0000-37Z-002-1	S/E Straight BNC, Set of 2	2-1T&R to 2-12T&R
CA1-0000-37Z-003-1	S/E Straight BNC, Set of 2	3-1T&R to 3-12T&R
CA1-0000-37Z-004-1	S/E Straight BNC, Set of 2	4-1T&R to 4-12T&R

This Set includes 100 bulk Straight BNC Connectors that are packaged separately.

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

ALCATEL iMTN
SINGLE-ENDED - 6 Conductor



Transmit & Receive Groups 1-4 (Set of 16 S/E Cables)

Description: 734D 6 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-W16-C00-1	S/E Straight BNC, Set of 16	iMTN
Cable Set includes the cables listed below		
CA1-0000-W16-C01-1	S/E Straight BNC	1-1T to 1-6T
CA1-0000-W16-C02-1	S/E Straight BNC	1-7T to 1-12T
CA1-0000-W16-C03-1	S/E Straight BNC	1-1R to 1-6R
CA1-0000-W16-C04-1	S/E Straight BNC	1-7R to 1-12R
CA1-0000-W16-C05-1	S/E Straight BNC	2-1T to 2-6T
CA1-0000-W16-C06-1	S/E Straight BNC	2-7T to 2-12T
CA1-0000-W16-C07-1	S/E Straight BNC	2-1R to 2-6R
CA1-0000-W16-C08-1	S/E Straight BNC	2-7R to 2-12R
CA1-0000-W16-C09-1	S/E Straight BNC	3-1T to 3-6T
CA1-0000-W16-C10-1	S/E Straight BNC	3-7T to 3-12T
CA1-0000-W16-C11-1	S/E Straight BNC	3-1R to 3-6R
CA1-0000-W16-C12-1	S/E Straight BNC	3-7R to 3-12R
CA1-0000-W16-C13-1	S/E Straight BNC	4-1T to 4-6T
CA1-0000-W16-C14-1	S/E Straight BNC	4-7T to 4-12T
CA1-0000-W16-C15-1	S/E Straight BNC	4-1R to 4-6R
CA1-0000-W16-C16-1	S/E Straight BNC	4-7R to 4-12R

ALCATEL iMTN
SINGLE-ENDED - 6 Conductor

Transmit & Receive Groups 1-4 (Set of 16 S/E Cables)

Description: 734D 6 Conductor with Straight BNC

CSI Tech Part No.	Description	Application
CA1-0000-W17-C00-1	S/E Straight BNC, Set of 16 w/Kits	iMTN
Cable Set includes the cables listed below:		
CA1-0000-W17-C01-1	S/E Straight BNC	1-1T to 1-6T
CA1-0000-W17-C02-1	S/E Straight BNC	1-7T to 1-12T
CA1-0000-W17-C03-1	S/E Straight BNC	1-1R to 1-6R
CA1-0000-W17-C04-1	S/E Straight BNC	1-7R to 1-12R
CA1-0000-W17-C05-1	S/E Straight BNC	2-1T to 2-6T
CA1-0000-W17-C06-1	S/E Straight BNC	2-7T to 2-12T
CA1-0000-W17-C07-1	S/E Straight BNC	2-1R to 2-6R
CA1-0000-W17-C08-1	S/E Straight BNC	2-7R to 2-12R
CA1-0000-W17-C09-1	S/E Straight BNC	3-1T to 3-6T
CA1-0000-W17-C10-1	S/E Straight BNC	3-7T to 3-12T
CA1-0000-W17-C11-1	S/E Straight BNC	3-1R to 3-6R
CA1-0000-W17-C12-1	S/E Straight BNC	3-7R to 3-12R
CA1-0000-W17-C13-1	S/E Straight BNC	4-1T to 4-6T
CA1-0000-W17-C14-1	S/E Straight BNC	4-7T to 4-12T
CA1-0000-W17-C15-1	S/E Straight BNC	4-1R to 4-6R
CA1-0000-W17-C16-1	S/E Straight BNC	4-7R to 4-12R

This Set includes 100 bulk Straight BNC Connectors that are packaged separately.

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly

COMMSCOPE 734S1 (LUCENT 734D)**COAX ASSEMBLIES - 1 Conductor**

CSI Tech Part No.	Description
CA1-0000-X21-C00-1	R/A Posi-Lock to STUB
CA1-0000-X22-C00-1	R/A Posi-Lock to R/A Posi-Lock
CA1-0000-X36-C00-1	Straight BNC to Mini-Weco
CA1-0000-X37-C00-1	Mini-Weco to STUB
CA1-0000-X38-C00-1	R/A BNC to Mini-Weco
CA1-0000-X40-C00-1	R/A BNC to STUB
CA1-0000-X41-C00-1	Straight BNC to STUB
CA1-0000-X42-C00-1	R/A BNC to R/A BNC
CA1-0000-X43-C00-1	R/A BNC to Straight BNC
CA1-0000-X44-C00-1	Straight BNC to Straight BNC
CA1-0000-X45-C00-1	R/A BNC to R/A Posi-Lock
CA1-0000-X46-C00-1	Straight BNC to R/A Posi-Lock

COMMSCOPE 73501 (LUCENT 735A)**COAX ASSEMBLIES - 1 Conductor**

CSI Tech Part No.	Description
CA1-0000-X28-C00-1	Straight BNC to Mini Weco
CA1-0000-X29-C00-1	Mini-Weco to STUB
CA1-0000-X30-C00-1	R/A BNC to STUB
CA1-0000-X31-C00-1	Straight BNC to STUB
CA1-0000-X32-C00-1	R/A BNC to R/A BNC
CA1-0000-X33-C00-1	R/A BNC to Straight BNC
CA1-0000-X34-C00-1	Straight BNC to Straight BNC
CA1-0000-X68-C00-1	ADC LCC to Straight BNC
CA1-0000-X73-C00-1	Mini-Weco to R/A BNC
CA1-0000-X76-C00-1	R/A Posi-Lock to Straight BNC
CA1-0000-X77-C00-1	R/A Posi-Lock to STUB
CA1-0000-X89-C00-1	Mini-Weco to Mini-Weco
CA1-0000-X16-C00-1	ADC LCC to Mini-Weco
CA1-0000-X05-C00-1	ADC LCC to STUB
CA1-0000-Y05-C00-1	ADC LCC to R/A BNC

COMMSCOPE 735T1 W/ (1) MESSENGER**COAX ASSEMBLIES - 1 Conductor**

CSI Tech Part No.	Description
CA1-0000-X01-C00-1	ADC LCC to ADC LCC
CA1-0000-X03-C00-1	ADC LCC to Straight BNC
CA1-0000-X26-C00-1	Straight BNC to STUB w/Field Kit
CA1-0000-X27-C00-1	Straight BNC to Straight BNC
CA1-0000-X99-C00-1	Mini-Weco to Straight BNC
CA1-0000-Z51-C00-1	Mini-Weco to Mini-Weco

COMMSCOPE 735T2 W/ (2) MESSENGERS**COAX ASSEMBLIES - 2 Conductor**

CSI Tech Part No.	Description
CA1-0000-X02-C00-1	ADC LCC to ADC LCC
CA1-0000-X04-C00-1	ADC LCC to Straight BNC
CA1-0000-X98-C00-1	Straight BNC to Straight BNC
CA1-0000-Z37-C00-1	Mini-Weco to ADC LCC
CA1-0000-Z52-C00-1	Mini-Weco to Mini-Weco

COMMSCOPE 73506 (LUCENT 1735006)**COAX ASSEMBLIES - 6 Conductor**

CSI Tech Part No.	Description
CA1-0000-X52-C00-1	Straight BNC to STUB
CA1-0000-X53-C00-1	Straight BNC to Straight BNC
CA1-0000-X54-C00-1	R/A BNC to Straight BNC
CA1-0000-X55-C00-1	R/A BNC to STUB
CA1-0000-X56-C00-1	R/A BNC to R/A BNC
CA1-0000-X57-C00-1	Straight BNC to Mini Weco
CA1-0000-X58-C00-1	Mini-Weco to STUB
CA1-0000-X75-C00-1	R/A Posi-Lock to Straight BNC
CA1-0000-X78-C00-1	R/A Posi-Lock to STUB
CA1-0000-Y16-C00-1	ADC LCC to STUB

COMMSCOPE 73512 (LUCENT 1735012)**COAX ASSEMBLIES - 12 Conductor- 735A**

CSI Tech Part No.	Description
CA1-0000-X13-C00-1	ADC LCC to R/A BNC
CA1-0000-X47-C00-1	Straight BNC to STUB
CA1-0000-X48-C00-1	Straight BNC to Straight BNC
CA1-0000-X49-C00-1	R/A BNC to Straight BNC
CA1-0000-X50-C00-1	R/A BNC to STUB
CA1-0000-X51-C00-1	R/A BNC to R/A BNC
CA1-0000-X59-C00-1	Straight BNC to Mini Weco
CA1-0000-X60-C00-1	Mini-Weco to STUB
CA1-0000-X69-C00-1	Mini-Weco to R/A BNC
CA1-0000-X79-C00-1	R/A Posi-Lock to STUB
CA1-0000-X81-C00-1	R/A Posi-Lock to Straight BNC
CA1-0000-Y17-C00-1	ADC LCC to STUB

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**FUJITSU FLM 150 3 Ports / 1 Shelf
SINGLE-ENDED - 3 Conductor**



DS3 3 Ports S/E cables with Straight Kits

Description: 735A 3 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X91-C00-1	1	DS3 S(In) or R(Out)

**FUJITSU FLM 150 1 Port / 5 Shelves
SINGLE-ENDED - 6 Conductor**

DS3 3 Ports S/E cables with Straight Kits

Description: 735A 6 Conductor with R/A BNC - 5 conductors are used

CSI Tech Part No.	Quantity	Application
CA1-0000-X93-C00-1	1	DS3 S(In) or R(Out)

**FUJITSU FLM 150 2 Ports / 5 Shelves
SINGLE-ENDED - 12 Conductor**

DS3 3 Ports S/E cables with Straight Kits

Description: 735A 12 Conductor with R/A BNC - 10 conductors are used

CSI Tech Part No.	Quantity	Application
CA1-0000-X94-C00-1	1	DS3 S(In) or R(Out)

**FUJITSU FLM 150 3 Ports / 5 Shelves
SINGLE-ENDED - 16 Conductor**

DS3 3 Ports S/E cables with Straight Kits

Description: 735A 16 Conductor with R/A BNC - 15 conductors are used

CSI Tech Part No.	Quantity	Application
CA1-0000-X95-C00-1	1	DS3 S(In) or R(Out)

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly

**FUJITSU FLM 600 ADM
SINGLE-ENDED - 6 Conductor**

Groups 3-6 (Set of 4 S/E cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S12-C00-1	4	FLM 600

Cable Set includes the cables listed below

CA1-0000-S12-C01-1	1	In (GP 3 & 4)
CA1-0000-S12-C02-1	1	Out (GP 3 & 4)
CA1-0000-S12-C03-1	1	In (GP 5 & 6)
CA1-0000-S12-C04-1	1	Out (GP 5 & 6)

**FUJITSU FLM 600 ADM
SINGLE-ENDED - 6 Conductor**

Groups 3-6 (Set of 4 S/E cables)

Description: 735A 6 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S15-C00-1	4	FLM 600

Cable Set includes the cables listed below

CA1-0000-S15-C01-1	1	In (GP 3 & 4)
CA1-0000-S15-C02-1	1	Out (GP 3 & 4)
CA1-0000-S15-C03-1	1	In (GP 5 & 6)
CA1-0000-S15-C04-1	1	Out (GP 5 & 6)

**FUJITSU FLM 600 ADM
SINGLE-ENDED - 12 Conductor**

Groups 3-6 (Set of 2 S/E cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S14-C00-1	2	FLM 600

Cable Set includes the cables listed below:

CA1-0000-S14-C01-1	1	In (GP 3-6)
CA1-0000-S14-C02-1	1	Out (GP 3-6)

**FUJITSU FLM 600 ADM
SINGLE-ENDED - 12 Conductor**

Groups 3-6 (Set of 2 S/E cables)

Description: 735A 12 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S16-C00-1	2	FLM 600

Cable Set includes the cables listed below:

CA1-0000-S16-C01-1	1	In (GP 3-6)
CA1-0000-S16-C02-1	1	Out (GP 3-6)

**FUJITSU FLM 600 ADM
DOUBLE-ENDED - 6 Conductor**

Groups 3-6 (Set of 4 D/E cables)

Description: 735A 6 Conductor with R/A to Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Z23-C00-1	4	FLM 600

Cable Set includes the cables listed below

CA1-0000-Z23-C01-1	1	In (GP 3 & 4)
CA1-0000-Z23-C02-1	1	Out (GP 3 & 4)
CA1-0000-Z23-C03-1	1	In (GP 5 & 6)
CA1-0000-Z23-C04-1	1	Out (GP 5 & 6)

**FUJITSU FLM 600 ADM
DOUBLE-ENDED - 12 Conductor**

Groups 3-6 (Set of 4 D/E cables)

Description: 735A 6 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S17-C00-1	4	FLM 600

Cable Set includes the cables listed below

CA1-0000-S17-C01-1	1	In (GP 3 & 4)
CA1-0000-S17-C02-1	1	Out (GP 3 & 4)
CA1-0000-S17-C03-1	1	In (GP 5 & 6)
CA1-0000-S17-C04-1	1	Out (GP 5 & 6)

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**FUJITSU FLM 2400 ADM (TRIB)
SINGLE-ENDED - 12 Conductor**

In & Out Circuits 1-24 (Set of 4 S/E cables)

Description: 735A 12 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S08-C00-1	4	FLM 2400

Cable Set includes the cables listed below

CA1-0000-S08-C01-1	1	In (1-12)
CA1-0000-S08-C02-1	1	Out (1-12)
CA1-0000-S08-C03-1	1	In (13-24)
CA1-0000-S08-C04-1	1	Out (13-24)

**FUJITSU FLM 2400 ADM (TRIB)
SINGLE-ENDED - 12 Conductor**

In & Out Circuits 1-24 (Set of 4 S/E cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Z49-C00-1	4	FLM 2400

Cable Set includes the cables listed below

CA1-0000-Z49-C01-1	1	In (1-12)
CA1-0000-Z49-C02-1	1	Out (1-12)
CA1-0000-Z49-C03-1	1	In (13-24)
CA1-0000-Z49-C04-1	1	Out (13-24)

**FUJITSU FLM 2400 ADM (TRIB)
SINGLE-ENDED - 6 Conductor**

In & Out Circuits 1-24 (Set of 8 S/E cables)

Description: 735A 6 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S10-C00-1	8	FLM 2400

Cable Set includes the cables listed below:

CA1-0000-S10-C01-1	1	In (1-6)
CA1-0000-S10-C02-1	1	Out (1-6)
CA1-0000-S10-C03-1	1	In (7-12)
CA1-0000-S10-C04-1	1	Out (7-12)
CA1-0000-S10-C05-1	1	In (13-18)
CA1-0000-S10-C06-1	1	Out (13-18)
CA1-0000-S10-C07-1	1	In (19-24)
CA1-0000-S10-C08-1	1	Out (19-24)

**FUJITSU FLM 2400 ADM (TRIB)
DOUBLE-ENDED - 12 Conductor**

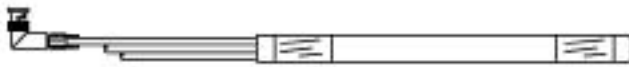
In & Out Circuits 1-24 (Set of 4 D/E cables)

Description: 735A 6 Conductor with R/A to Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X12-C00-1	8	FLM 2400 to DSX Panel

Cable Set includes the cables listed below

CA1-0000-X12-C01-1	1	In (1-12)
CA1-0000-X12-C02-1	1	Out (1-12)
CA1-0000-X12-C03-1	1	In (13-24)
CA1-0000-X12-C04-1	1	Out (13-24)



LUCENT DDM 2000 OC3
SINGLE-ENDED - 3 Conductor

In & Out Circuits 1-3 (Set of 2 S/E cables) with Straight BNC Kits

Description: 735A 3 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y11-C00-1	2	OC-3

Cable Set includes the cables listed below:

CA1-0000-Y11-C01-1	1	In (1-3)
CA1-0000-Y11-C02-1	1	Out (1-3)

This Set includes 6 Straight BNC Connectors that are packaged separately.

LUCENT DDM 2000 OC3
SINGLE-ENDED - 6 Conductor

In & Out Circuits 1-12 (Set of 4 S/E cables)

Description: 735A 6 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S18-C00-1	4	OC-12

Cable Set includes the cables listed below:

CA1-0000-S18-C01-1	1	In (1-6)
CA1-0000-S18-C02-1	1	Out (1-6)
CA1-0000-S18-C03-1	1	In (7-12)
CA1-0000-S18-C04-1	1	Out (7-12)

LUCENT DDM 2000 OC12
SINGLE-ENDED - 12 Conductor

In & Out Circuits 1-12 (Set of 2 S/E cables)

Description: 735A 12 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S19-C00-1	2	OC-12

Cable Set includes the cables listed below:

CA1-0000-S19-C01-1	1	In (1-12)
CA1-0000-S19-C02-1	1	Out (1-12)

LUCENT DDM 2000 OC3
DOUBLE-ENDED - 3 Conductor

In & Out Circuits 1-3 (Set of 2 D/E cables)

Description: 735A 3 Conductor R/A to Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X11-C00-1	2	OC-3

Cable Set includes the cables listed below:

CA1-0000-X11-C01-1	1	In (1-3)
CA1-0000-X11-C02-1	1	Out (1-3)

LUCENT DDM 2000 OC3
DOUBLE-ENDED - 6 Conductor

In & Out Circuits 1-12 (Set of 4 D/E cables)

Description: 735A 6 Conductor R/A to Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X08-C00-1	4	OC-12

Cable Set includes the cables listed below:

CA1-0000-X08-C01-1	1	In (1-6)
CA1-0000-X08-C02-1	1	Out (1-6)
CA1-0000-X08-C03-1	1	In (7-12)
CA1-0000-X08-C04-1	1	Out (7-12)

LUCENT DDM 2000 OC12
DOUBLE-ENDED - 12 Conductor

In & Out Circuits 1-12 (Set of 2 D/E cables)

Description: 735A 12 Conductor R/A to Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X09-C00-1	2	OC-12

Cable Set includes the cables listed below:

CA1-0000-X09-C01-1	1	In (1-12)
CA1-0000-X09-C02-1	1	Out (1-12)

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**LUCENT FT 2000 OC48
SINGLE-ENDED - 6 Conductor**
In & Out Circuits 1-48 (Set of 16 S/E cables)
Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y08-C00-1	16	OC48

Cable Set includes the cables listed below:

CA1-0000-Y08-C01-1	1	In/Out 1A/1B
CA1-0000-Y08-C02-1	1	In/Out 1A/1B
CA1-0000-Y08-C03-1	1	In/Out 2A/2B
CA1-0000-Y08-C04-1	1	In/Out 2A/2B
CA1-0000-Y08-C05-1	1	In/Out 3A/3B
CA1-0000-Y08-C06-1	1	In/Out 3A/3B
CA1-0000-Y08-C07-1	1	In/Out 4A/4B
CA1-0000-Y08-C08-1	1	In/Out 4A/4B
CA1-0000-Y08-C09-1	1	In/Out 5A/5B
CA1-0000-Y08-C10-1	1	In/Out 5A/5B
CA1-0000-Y08-C11-1	1	In/Out 6A/6B
CA1-0000-Y08-C12-1	1	In/Out 6A/6B
CA1-0000-Y08-C13-1	1	In/Out 7A/7B
CA1-0000-Y08-C14-1	1	In/Out 7A/7B
CA1-0000-Y08-C15-1	1	In/Out 8A/8B
CA1-0000-Y08-C16-1	1	In/Out 8A/8B

CA1-0000-Y09-C00-1	16	OC-48
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This Cable Set includes the cables listed above plus 96 Straight BNC Connectors that are packaged separately.

**LUCENT FT 2000 OC48 to DSX3 A/R
SINGLE-ENDED - 6 Conductor**
In & Out Circuits 1-48 (Set of 16 S/E cables)
Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S03-C00-1	16	OC48 to DSX3 A/R

Cable Set includes the cables listed below:

CA1-0000-S03-C01-1	1	In/Out 1A/1B
CA1-0000-S03-C02-1	1	In/Out 1A/1B
CA1-0000-S03-C03-1	1	In/Out 2A/2B
CA1-0000-S03-C04-1	1	In/Out 2A/2B
CA1-0000-S03-C05-1	1	In/Out 3A/3B
CA1-0000-S03-C06-1	1	In/Out 3A/3B
CA1-0000-S03-C07-1	1	In/Out 4A/4B
CA1-0000-S03-C08-1	1	In/Out 4A/4B
CA1-0000-S03-C09-1	1	In/Out 5A/5B
CA1-0000-S03-C10-1	1	In/Out 5A/5B
CA1-0000-S03-C11-1	1	In/Out 6A/6B
CA1-0000-S03-C12-1	1	In/Out 6A/6B
CA1-0000-S03-C13-1	1	In/Out 7A/7B
CA1-0000-S03-C14-1	1	In/Out 7A/7B
CA1-0000-S03-C15-1	1	In/Out 8A/8B
CA1-0000-S03-C16-1	1	In/Out 8A/8B

**LUCENT FT 2000 OC48 to LUCENT DSX-3
DOUBLE-ENDED - 6 Conductor**
In & Out Circuits 1-48 (Set of 16 D/E cables)
Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y10-C00-1	16	OC48 to DSX-3

Cable Set includes the cables listed below:

CA1-0000-Y10-C01-1	1	In 1A/1B to (1-6)In
CA1-0000-Y10-C02-1	1	Out 1A/1B to (1-6)Out
CA1-0000-Y10-C03-1	1	In 2A/2B to (7-12)In
CA1-0000-Y10-C04-1	1	Out 2A/2B to (7-12)Out
CA1-0000-Y10-C05-1	1	In 3A/3B to (13-18)In
CA1-0000-Y10-C06-1	1	Out 3A/3B to (13-18)Out
CA1-0000-Y10-C07-1	1	In 4A/4B to (19-24)In
CA1-0000-Y10-C08-1	1	Out 4A/4B to (19-24)Out
CA1-0000-Y10-C09-1	1	In 5A/5B to (1-6)In
CA1-0000-Y10-C10-1	1	Out 5A/5B to (1-6)Out
CA1-0000-Y10-C11-1	1	In 6A/6B to (7-12)In
CA1-0000-Y10-C12-1	1	Out 6A/6B to (7-12)Out
CA1-0000-Y10-C13-1	1	In 7A/7B to (13-18)In
CA1-0000-Y10-C14-1	1	Out 7A/7B to (13-18)Out
CA1-0000-Y10-C15-1	1	In 8A/8B to (19-24)In
CA1-0000-Y10-C16-1	1	Out 8A/8B to (19-24)Out

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT DSX PANEL**SINGLE-ENDED - 6 Conductor**

In & Out Circuits 1-24 (Set of 8 S/E Cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Qty	Application
CA1-0000-S32-C00-1	8	Lucent DSX Panel In/Out (1-24)

Cable Set includes the cables listed below:

CA1-0000-S32-C01-1	2	In/Out (1-6)
CA1-0000-S32-C02-1	2	In/Out (7-12)
CA1-0000-S32-C03-1	2	In/Out (13-18)
CA1-0000-S32-C04-1	2	In/Out (19-24)

LUCENT DSX PANEL**SINGLE-ENDED - 6 Conductor**

In & Out Circuits 1-24 (Set of 8 S/E Cables)

Description: 734D 6 Conductor with Straight BNC

CSI Tech Part No.	Qty	Application
CA1-0000-W06-C00-1	8	Lucent DSX Panel In/Out (1-24)

Cable Set includes the cables listed below:

CA1-0000-W06-C01-1	2	In/Out (1-6)
CA1-0000-W06-C02-1	2	In/Out (7-12)
CA1-0000-W06-C03-1	2	In/Out (13-18)
CA1-0000-W06-C04-1	2	In/Out (19-24)

LUCENT DSX PANEL**SINGLE-ENDED - 12 Conductor**

In & Out Circuits 1-24 (Set of 4 Single-Ended Cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Qty	Application
CA1-0000-S34-C00-1	4	Lucent DSX Panel In/Out (1-24)

Cable Set includes the cables listed below:

CA1-0000-S34-C01-1	1	In (1-12)
CA1-0000-S34-C02-1	1	Out (1-12)
CA1-0000-S34-C03-1	1	In (13-24)
CA1-0000-S34-C04-1	1	Out (13-24)

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

LUCENT 735A

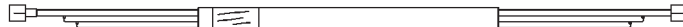
9821 TYPE CONNECTORS - 1 Conductor



CSI Tech Part No.	Description	Cable Type
CA1-0000-Z82-735-1	D/E 9821EA to 9821AE	1C 735A
CA1-0000-Z97-735-1	D/E 9821EA to 9821EA	1C 735A
CA1-0000-Z72-735-1	D/E 9821EA to R/A BNC	1C 735A
CA1-0000-Z54-735-1	D/E 9821EA to Straight BNC	1C 735A
CA1-0000-Z83-735-1	D/E 9821FA to 9821AE	1C 735A
CA1-0000-Z99-735-1	D/E 9821FA to 9821FA	1C 735A
CA1-0000-Z73-735-1	D/E 9821FA to R/A BNC	1C 735A
CA1-0000-Z55-735-1	D/E 9821FA to Straight BNC	1C 735A
CA1-0000-Z98-735-1	S/E 9821EA to STUB	1C 735A
CA1-0000-08Z-735-1	S/E 9821FA to STUB	1C 735A

LUCENT 1735003

9821 TYPE CONNECTORS - 3 Conductor



CSI Tech Part No.	Description	Cable Type
CA1-0000-Z85-735-1	D/E 9821EA to 9821AE	3C 735A
CA1-0000-09Z-735-1	D/E 9821EA to R/A BNC	3C 735A
CA1-0000-Z88-735-1	D/E 9821EA to Straight BNC	3C 735A
CA1-0000-Z84-735-1	D/E 9821FA to 9821AE	3C 735A
CA1-0000-Z81-735-1	D/E 9821FA to R/A BNC	3C 735A
CA1-0000-Z89-735-1	D/E 9821FA to Straight BNC	3C 735A
CA1-0000-24Z-735-1	S/E 9821EA to STUB	3C 735A
CA1-0000-23Z-735-1	S/E 9821FA to STUB	3C 735A

LUCENT 1735006

9821 TYPE CONNECTORS - 6 Conductor

CSI Tech Part No.	Description	Cable Type
CA1-0000-01Z-735-1	D/E 9821EA to 9821AE	6C 735A
CA1-0000-Z74-735-1	D/E 9821EA to Straight BNC	6C 735A
CA1-0000-02Z-735-1	D/E 9821FA to 9821AE	6C 735A
CA1-0000-03Z-735-1	D/E 9821FA to 9821EA	6C 735A
CA1-0000-Z75-735-1	D/E 9821FA to Straight BNC	6C 735A
CA1-0000-07Z-735-1	S/E Mix of 9821EA & FA w/Straight BNC Kits	6C 735A
CA1-0000-26Z-735-1	S/E 9821EA to STUB	6C 735A
CA1-0000-25Z-735-1	S/E 9821FA to STUB	6C 735A

LUCENT 1735012

9821 TYPE CONNECTORS - 12 Conductor

CSI Tech Part No.	Description	Cable Type
CA1-0000-Z86-735-1	D/E 9821EA to 9821AE	12C 735A
CA1-0000-05Z-735-1	D/E 9821EA to Straight BNC	12C 735A
CA1-0000-Z87-735-1	D/E 9821FA to 9821AE	12C 735A
CA1-0000-06Z-735-1	D/E 9821FA to Straight BNC	12C 735A
CA1-0000-28Z-735-1	S/E 9821EA to STUB	12C 735A
CA1-0000-27Z-735-1	S/E 9821FA to STUB	12C 735A

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

NEC OC-48 to DSX-3**DOUBLE-ENDED - 12 Conductor**

In & Out Circuits 1-48 (Set of 8 D/E cables)

Description: 735A 12Conductor with Straight BNC to Mini-Weco

CSI Tech Part No.	Quantity	Application
CA1-0000-Y25-C00-1	8	OC-48 to DSX-3

Cable Set includes the cables listed below

CA1-0000-Y25-C01-1	1	In (1-12)
CA1-0000-Y25-C02-1	1	Out (1-12)
CA1-0000-Y25-C03-1	1	In (13-24)
CA1-0000-Y25-C04-1	1	Out (13-24)
CA1-0000-Y25-C05-1	1	In (25-36) / In (1-12)
CA1-0000-Y25-C06-1	1	Out (25-36) / In (1-12)
CA1-0000-Y25-C07-1	1	In (37-48) / In (13-24)
CA1-0000-Y25-C08-1	1	Out (37-48) / In (13-24)

NEC RC-48**SINGLE-ENDED - 12 Conductor**

In & Out Circuits 1-14 (Set of 6 S/E cables)

Description: 734D 6 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Z92-C00-1	8	NEC RC-48

Cable Set includes the cables listed below

CA1-0000-Z92-C01-1	1	In (1-2)
CA1-0000-Z92-C02-1	1	Out (1-2)
CA1-0000-Z92-C03-1	1	In (3-8)
CA1-0000-Z92-C04-1	1	Out (3-8)
CA1-0000-Z92-C05-1	1	In (9-14)
CA1-0000-Z92-C06-1	1	Out (9-14)

This Set includes 32 Straight BNC Connectors that are packaged separately

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

NORTEL OC-3
SINGLE-ENDED - 3 Conductor

In & Out Circuits 1-3 (Set of 2 S/E cables)

Description: 735A 3 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y12-C00-1	2	OC-3

Cable Set includes the cables listed below:

CA1-0000-Y12-C01-1	1	In (1-3)
CA1-0000-Y12-C02-1	1	Out (1-3)

This Set includes 6 Straight BNC Connectors that are packaged separately.

NORTEL OC-12
SINGLE-ENDED - 6 Conductor

In & Out Circuits 1-12 (Set of 4 S/E cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X23-C00-1	4	OC-12

Cable Set includes the cables listed below:

CA1-0000-X23-C01-1	1	In(1-6)
CA1-0000-X23-C02-1	1	Out (1-6)
CA1-0000-X23-C03-1	1	In (7-12)
CA1-0000-X23-C04-1	1	Out (7-12)

NORTEL OC-12 to LUCENT DSX-3
DOUBLE-ENDED - 6 Conductor

In & Out Circuits 1-12 (Set of 4 D/E cables)

Description: 735A 6 Conductor with R/A & Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X71-C00-1	4	OC-12 to DSX-3

Cable Set includes the cables listed below:

CA1-0000-X71-C01-1	1	In (1-6) to (1-6) In
CA1-0000-X71-C02-1	1	Out (1-6) to (1-6) Out
CA1-0000-X71-C03-1	1	In (7-12) to (7-12) In
CA1-0000-X71-C04-1	1	Out (7-12) to (7-12) Out

NORTEL OC-12
SINGLE-ENDED - 12 Conductor

In & Out Circuits 1-12 (Set of 2 S/E cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X24-C00-1	2	OC-12

Cable Set includes the cables listed below:

CA1-0000-X24-C01-1	1	In (1-12)
CA1-0000-X24-C02-1	1	Out (1-12)

NORTEL OC-12
DOUBLE-ENDED - 12 Conductor

In & Out Circuits 1-12 (Set of 2 D/E cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X72-C00-1	2	OC-12

Cable Set includes the cables listed below:

CA1-0000-X72-C01-1	1	In (1-12)
CA1-0000-X72-C02-1	1	Out (1-12)

NORTEL OC-48 Front Access SINGLE-ENDED - 6 Conductor

In & Out Circuits 1-48 (Set of 16 S/E cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y01-C00-1	16	OC-48
Cable Set includes the cables listed below:		
CA1-0000-Y01-C01-1	1	In (1-6)
CA1-0000-Y01-C02-1	1	Out (1-6)
CA1-0000-Y01-C03-1	1	In (7-12)
CA1-0000-Y01-C04-1	1	Out (7-12)
CA1-0000-Y01-C05-1	1	In (13-18)
CA1-0000-Y01-C06-1	1	Out (13-18)
CA1-0000-Y01-C07-1	1	In (19-24)
CA1-0000-Y01-C08-1	1	Out (19-24)
CA1-0000-Y01-C09-1	1	In (25-30)
CA1-0000-Y01-C10-1	1	Out (25-30)
CA1-0000-Y01-C11-1	1	In (31-36)
CA1-0000-Y01-C12-1	1	Out (31-36)
CA1-0000-Y01-C13-1	1	In (37-42)
CA1-0000-Y01-C14-1	1	Out (37-42)
CA1-0000-Y01-C15-1	1	In (43-48)
CA1-0000-Y01-C16-1	1	Out (43-48)

CA1-0000-Y02-C00-1	16	OC-48
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This Cable Set includes the cables listed above plus 96 Straight BNC Connectors that are packaged separately.

NORTEL OC-48 Front Access SINGLE-ENDED - 6 Conductor

In & Out Circuits 1-48 (Set of 16 S/E cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S02-C00-1	16	OC-48
Cable Set includes the cables listed below:		
CA1-0000-S02-C01-1	1	In/Out (1-3)
CA1-0000-S02-C02-1	1	In/Out (4-6)
CA1-0000-S02-C03-1	1	In/Out (7-9)
CA1-0000-S02-C04-1	1	In/Out (10-12)
CA1-0000-S02-C05-1	1	In/Out (13-15)
CA1-0000-S02-C06-1	1	In/Out (16-18)
CA1-0000-S02-C07-1	1	In/Out (19-21)
CA1-0000-S02-C08-1	1	In/Out (22-24)
CA1-0000-S02-C09-1	1	In/Out (25-27)
CA1-0000-S02-C10-1	1	In/Out (28-30)
CA1-0000-S02-C11-1	1	In/Out (31-33)
CA1-0000-S02-C12-1	1	In/Out (34-36)
CA1-0000-S02-C13-1	1	In/Out (37-39)
CA1-0000-S02-C14-1	1	In/Out (40-42)
CA1-0000-S02-C15-1	1	In/Out (43-45)
CA1-0000-S02-C16-1	1	In/Out (46-48)

CA1-0000-S05-C00-1	16	OC-48
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This Cable Set includes the cables listed above plus 96 Straight BNC Connectors that are packaged separately.

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**NORTEL OC-48 to ADC DSX-3
DOUBLE-ENDED - 6 Conductor**

In & Out Circuits 1-48 (Set of 16 D/E cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y03-C00-1	16	OC-48 to DSX-3

Cable Set includes the cables listed below:

CA1-0000-Y03-C01-1	1	In(1-6) to In (1-6)
CA1-0000-Y03-C02-1	1	Out (1-6) to Out (1-6)
CA1-0000-Y03-C03-1	1	In (7-12) to In (7-12)
CA1-0000-Y03-C04-1	1	Out (7-12) to Out (7-12)
CA1-0000-Y03-C05-1	1	In (13-18) to In (13-18)
CA1-0000-Y03-C06-1	1	Out (13-18) to Out (13-18)
CA1-0000-Y03-C07-1	1	In (19-24) to In (19-24)
CA1-0000-Y03-C08-1	1	Out (19-24) to Out (19-24)
CA1-0000-Y03-C09-1	1	In (25-30) to In (1-6)
CA1-0000-Y03-C10-1	1	Out (25-30) to Out (1-6)
CA1-0000-Y03-C11-1	1	In (31-36) to In (7-12)
CA1-0000-Y03-C12-1	1	Out (31-36) to Out (7-12)
CA1-0000-Y03-C13-1	1	In (37-42) to In (13-18)
CA1-0000-Y03-C14-1	1	Out (37-42) to Out (13-18)
CA1-0000-Y03-C15-1	1	In (43-48) to In (19-24)
CA1-0000-Y03-C16-1	1	Out (43-48) to Out (19-24)

**NORTEL OC-48 to LUCENT DSX-3 Front Access
DOUBLE-ENDED - 6 Conductor**

In & Out Circuits 1-48 (Set of 16 D/E cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y06-C00-1	16	OC-48 to LUCENT DSX-3

Cable Set includes the cables listed below

CA1-0000-Y06-C01-1	1	In (1-6) to In (1-6)
CA1-0000-Y06-C02-1	1	Out (1-6) to Out (1-6)
CA1-0000-Y06-C03-1	1	In (7-12) to In (7-12)
CA1-0000-Y06-C04-1	1	Out (7-12) to Out (7-12)
CA1-0000-Y06-C05-1	1	In (13-18) to In (13-18)
CA1-0000-Y06-C06-1	1	Out (13-18) to Out (13-18)
CA1-0000-Y06-C07-1	1	In (19-24) to In (19-24)
CA1-0000-Y06-C08-1	1	Out (19-24) to Out (19-24)
CA1-0000-Y06-C09-1	1	In (25-30) to In (1-6)
CA1-0000-Y06-C10-1	1	Out (25-30) to Out (1-6)
CA1-0000-Y06-C11-1	1	In (31-36) to In (7-12)
CA1-0000-Y06-C12-1	1	Out (31-36) to Out (7-12)
CA1-0000-Y06-C13-1	1	In (37-42) to In (13-18)
CA1-0000-Y06-C14-1	1	Out (37-42) to Out (13-18)
CA1-0000-Y06-C15-1	1	In (43-48) to In (19-24)
CA1-0000-Y06-C16-1	1	Out (43-48) to Out (19-24)

**NORTEL OC-48 to ADC DSX-3
DOUBLE-ENDED - 6 Conductor**

Split DSX Jack Assgn (16 Individual D/E cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y04-C00-1	16	OC-48 to ADC DSX-3

Cable Set includes the cables listed below:

CA1-0000-Y04-C01-1	1	In (1-6) to In (13-18)
CA1-0000-Y04-C02-1	1	Out (1-6) to Out (13-18)
CA1-0000-Y04-C03-1	1	In (7-12) to In (19-24)
CA1-0000-Y04-C04-1	1	Out (7-12) to Out (19-24)
CA1-0000-Y04-C05-1	1	In (13-18) to In (1-6)
CA1-0000-Y04-C06-1	1	Out (13-18) to Out (1-6)
CA1-0000-Y04-C07-1	1	In (19-24) to In (7-12)
CA1-0000-Y04-C08-1	1	Out (19-24) to Out (7-12)
CA1-0000-Y04-C09-1	1	In (25-30) to In (13-18)
CA1-0000-Y04-C10-1	1	Out (25-30) to Out (13-18)
CA1-0000-Y04-C11-1	1	In (31-36) to In (19-24)
CA1-0000-Y04-C12-1	1	Out (31-36) to Out (19-24)
CA1-0000-Y04-C13-1	1	In (37-42) to In (1-6)
CA1-0000-Y04-C14-1	1	Out (37-42) to Out (1-6)
CA1-0000-Y04-C15-1	1	In (43-48) to In (7-12)
CA1-0000-Y04-C16-1	1	Out (43-48) to Out (7-12)

**NORTEL OC-48 to LUCENT DSX-3 Front Access
DOUBLE-ENDED - 6 Conductor**

Split DSX Jack Assgn (16 Individual D/E cables)

Description: 735A 6 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y07-C00-1	16	OC-48 to LUCENT DSX-3

Cable Set includes the cables listed below

CA1-0000-Y07-C01-1	1	In (1-6) to In (13-18)
CA1-0000-Y07-C02-1	1	Out (1-6) to Out (13-18)
CA1-0000-Y07-C03-1	1	In (7-12) to In (19-24)
CA1-0000-Y07-C04-1	1	Out (7-12) to Out 19-24)
CA1-0000-Y07-C05-1	1	In (13-18) to In (1-6)
CA1-0000-Y07-C06-1	1	Out (13-18) to Out(1-6)
CA1-0000-Y07-C07-1	1	In (19-24) to In (7-12)
CA1-0000-Y07-C08-1	1	Out (19-24) to Out (7-12)
CA1-0000-Y07-C09-1	1	In (25-30) to In (13-18)
CA1-0000-Y07-C10-1	1	Out (25-30) to Out (13-18)
CA1-0000-Y07-C11-1	1	In (31-36) to In (19-24)
CA1-0000-Y07-C12-1	1	Out (31-36) to Out (19-24)
CA1-0000-Y07-C13-1	1	In (37-42) to In (1-6)
CA1-0000-Y07-C14-1	1	Out (37-42) to Out (1-6)
CA1-0000-Y07-C15-1	1	In (43-48) to In (7-12)
CA1-0000-Y07-C16-1	1	Out (43-48) to Out (7-12)

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly

NORTEL OC-48 Front Access SINGLE-ENDED - 12 Conductor

In & Out Circuits 1-48 (Set of 8 S/E cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S01-C00-1	8	OC-48

Cable Set includes the cables listed below

CA1-0000-S01-C01-1	1	In (1-12)
CA1-0000-S01-C02-1	1	Out (1-12)
CA1-0000-S01-C03-1	1	In (13-24)
CA1-0000-S01-C04-1	1	Out (13-24)
CA1-0000-S01-C05-1	1	In (25-36)
CA1-0000-S01-C06-1	1	Out (25-36)
CA1-0000-S01-C07-1	1	In (37-48)
CA1-0000-S01-C08-1	1	Out (37-48)

CSI Tech Part No.	Quantity	Application
CA1-0000-S04-C00-1	8	OC-48

This Cable Set includes the cables listed above plus 96 Straight BNC Connectors that are packaged separately

NORTEL OC-48 Rear Access SINGLE-ENDED - 8 Conductor

In & Out Circuits 1-48 (Set of 12 S/E cables)

Description: 735A 8 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Z39-C00-1	12	OC-48

Cable Set includes the cables listed below

CA1-0000-Z39-C01-1	1	In (1-8)
CA1-0000-Z39-C02-1	1	Out (1-8)
CA1-0000-Z39-C03-1	1	In (9-16)
CA1-0000-Z39-C04-1	1	Out (9-16)
CA1-0000-Z39-C05-1	1	In (17-24)
CA1-0000-Z39-C06-1	1	Out (17-24)
CA1-0000-Z39-C07-1	1	In (25-32)
CA1-0000-Z39-C08-1	1	Out (25-32)
CA1-0000-Z39-C09-1	1	In (33-40)
CA1-0000-Z39-C10-1	1	Out (33-40)
CA1-0000-Z39-C11-1	1	In (41-48)
CA1-0000-Z39-C12-1	1	Out (41-48)

CSI Tech Part No.	Quantity	Application
CA1-0000-Z38-C00-1	12	OC-48

This Cable Set includes the cables listed above plus 96 Straight BNC Connectors that are packaged separately

NORTEL OC-48 to LUCENT DSX-3 Front Access DOUBLE-ENDED - 12 Conductor

In & Out Circuits 1-48 (Set of 8 D/E cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S20-C00-1	8	OC-48 to LUCENT DSX-3

Cable Set includes the cables listed below

CA1-0000-S20-C01-1	1	In (1-12) to In (1-12)
CA1-0000-S20-C02-1	1	Out (1-12) to Out (1-12)
CA1-0000-S20-C03-1	1	In (13-24) to In (13-24)
CA1-0000-S20-C04-1	1	Out (13-24) to Out (13-24)
CA1-0000-S20-C05-1	1	In (25-36) to In (1-12)
CA1-0000-S20-C06-1	1	Out (25-36) to Out (1-12)
CA1-0000-S20-C07-1	1	In (37-48) to In (13-24)
CA1-0000-S20-C08-1	1	Out (37-48) to Out (13-24)

NORTEL OC-48 to LUCENT DSX-3 Front Access SINGLE-ENDED - 12 Conductor

Split DSX Jack Assgn (8 Individual D/E cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S13-C01-1	1	In (1-12) to In (1-12)
CA1-0000-S13-C02-1	1	Out (1-12) to Out (1-12)
CA1-0000-S13-C03-1	1	In (13-24) to In (13-24)
CA1-0000-S13-C04-1	1	Out (13-24) to Out (13-24)
CA1-0000-S13-C05-1	1	In (25-36) to In (1-12)
CA1-0000-S13-C06-1	1	Out (25-36) to Out (1-12)
CA1-0000-S13-C07-1	1	In (37-48) to In (13-24)
CA1-0000-S13-C08-1	1	Out (37-48) to Out (13-24)

NORTEL OC-48 Rear Access SINGLE-ENDED - 12 Conductor

In & Out Circuits 1-48 (Set of 8 S/E cables)

Description: 735A 12 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Z42-C00-1	8	OC-48

Cable Set includes the cables listed below

CA1-0000-Z42-C02-1	2	In/Out (1-12)
CA1-0000-Z42-C04-1	2	In/Out (13-24)
CA1-0000-Z42-C06-1	2	In/Out (25-36)
CA1-0000-Z42-C08-1	2	In/Out (37-48)

CSI Tech Part No.	Quantity	Application
CA1-0000-Z43-C00-1	8	OC-48

This Cable Set includes the cables listed above plus 96 Straight BNC Connectors that are packaged separately

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

**TELLABS TITAN 5500 DS3 PORTS 1-16
SINGLE-ENDED - 8 Conductor**

In & Out Circuits 1-16 (Set of 4 S/E cables)

Description: 735A 8 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S07-C00-1	4	DS3

Cable Set includes the cables listed below

CA1-0000-S07-C01-1	1	In (1-8)
CA1-0000-S07-C02-1	1	Out (1-8)
CA1-0000-S07-C03-1	1	In (9-16)
CA1-0000-S07-C04-1	1	Out (9-16)

**TELLABS TITAN 5500 DS3 PORTS 1-16
SINGLE-ENDED - 8 Conductor**

In & Out Circuits 1-16 (Set of 4 S/E cables)w/Straight BNC Kits

Description: 735A 8 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y38-C00-1	4	DS3

Cable Set includes the cables listed below

CA1-0000-Y38-C01-1	1	In (1-8)
CA1-0000-Y38-C02-1	1	In (9-16)
CA1-0000-Y38-C03-1	1	Out (1-8)
CA1-0000-Y38-C04-1	1	Out (9-16)

**TELLABS TITAN 5500 DS3
SINGLE-ENDED - 8 Conductor**

In or Out Circuits (1 S/E cable) w/R/A BNC Kits

Description: 735A 8 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X07-C00-1	1	DS3

**TELLABS TITAN 5500 DS3
SINGLE-ENDED - 8 Conductor**

In or Out Circuits (1 S/E cable) w/R/A and Straight BNC Kits

Description: 735A 8 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X06-C00-1	1	DS3

**TELLABS TITAN 5500 DS3
DOUBLE-ENDED - 8 Conductor**

In or Out Circuits (1 D/E cable)

Description: 735A 8 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Z44-C00-1	1	DS3

**TELLABS TITAN 5500 DS3
DOUBLE-ENDED - 8 Conductor**

In or Out Circuits (1 D/E cable)

Description: 735A 8 Conductor with R/A to Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Z45-C00-1	1	DS3

**TELLABS TITAN 5500 to COMMSCOPE DS3
DOUBLE-ENDED - 8 Conductor**

In & Out Circuits 1-16 (Set of 4 D/E cables)

Description: 735A 8 Conductor with R/A to Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Z53-C00-1	4	Titan 5500 to DSX-3

Cable Set includes the cables listed below:

CA1-0000-Z53-C01-1	1	In (1-8)
CA1-0000-Z53-C02-1	1	Out (1-8)
CA1-0000-Z53-C03-1	1	In (9-16)
CA1-0000-Z53-C04-1	1	Out (9-16)

**TELLABS TITAN 5500 to COMMSCOPE DS3
DOUBLE-ENDED - 8 Conductor**

In & Out Circuits 1-16 (Set of 4 D/E cables)

Description: 735A 8 Conductor with R/A to Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-X15-C00-1	4	Titan 5500 to ADC DSX

Cable Set includes the cables listed below

CA1-0000-X15-C01-1	1	In (1-8)
CA1-0000-X15-C02-1	1	Out (1-8)
CA1-0000-X15-C03-1	1	In (9-16)
CA1-0000-X15-C04-1	1	Out (9-16)

**TELLABS TITAN 5500 DS3 PORTS 1-16
SINGLE-ENDED - 16 Conductor**

In & Out Circuits 1-16 (Set of 2 S/E cables)

Description: 735A 16 Conductor with R/A BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S11-C00-1	2	DS3

Cable Set includes the cables listed below:

CA1-0000-S11-C01-1	1	In (1-16)
CA1-0000-S11-C02-1	1	Out (1-16)

**TELLABS TITAN 5500 DS3 PORTS 1-16 (For Sprint)
SINGLE-ENDED - 16 Conductor**

In & Out Circuits 1-16 (Set of 2 S/E cables)

Description: 735A 16 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S45-C00-1	2	DS3

Cable Set includes the cables listed below:

CA1-0000-S45-C01-1	1	In (1-16)
CA1-0000-S45-C02-1	1	Out (1-16)

**TELLABS TITAN 5500 DS3 PORTS 1-16
SINGLE-ENDED - 16 Conductor**

In & Out Circuits 1-16 (Set of 2 S/E cables)

Description: 735A 16 Conductor with Straight BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-S44-C00-1	2	DS3

Cable Set includes the cables listed below:

CA1-0000-S44-C01-1	1	In (1-16)
CA1-0000-S44-C02-1	1	Out (1-16)

**TELLABS TITAN 5500 DS3 to ADC DSX-3
DOUBLE-ENDED - 16 Conductor**

*Titan In & Out Circuits 1-16 / DSX In & Out Circuits 1-16
(Set of 2 D/E cables)*

Description: 735A 16 Conductor with R/A BNC to LCC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y42-C00-1	2	DS3 to ADC DSX-3

Cable Set includes the cables listed below:

CA1-0000-Y42-C01-1	1	DS3 In (1-16) / DSX In (1-16)
CA1-0000-Y42-C02-1	1	DS3 Out (1-16) / DSX Out (1-16)

**TELLABS TITAN 5500 DS3 PORTS 1-16
SINGLE-ENDED - 16 Conductor**

In & Out Circuits 1-16 (Set of 2 S/E cables) w/Straight BNC Kits

Description: 735A 16 Conductor with Right Angle BNC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y37-C00-1	2	DS3

Cable Set includes the cables listed below:

CA1-0000-Y37-C01-1	1	In (1-16)
CA1-0000-Y37-C02-1	1	Out (1-16)

**TELLABS TITAN 5500 DS3 to ADC DSX-3
DOUBLE-ENDED - 16 Conductor**

*Titan In & Out Circuits 1-16 / DSX In & Out Circuits 17-32
(Set of 2 D/E cables)*

Description: 735A 16 Conductor with R/A BNC to LCC

CSI Tech Part No.	Quantity	Application
CA1-0000-Y43-C00-1	2	DS3 to ADC DSX-3

Cable Set includes the cables listed below:

CA1-0000-Y43-C01-1	1	DS3 In (1-16) / DSX In (17-32)
CA1-0000-Y43-C02-1	1	DS3 Out (1-16) / DSX Out (17-32)

Note: All DS3 cables in this chapter are assembled with Trompeter connectors unless otherwise stated.

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

SPECIALTY CABLES
MINI-SMB CONNECTORS
DOUBLE-ENDED - 1 Conductor

CSI Tech Part No.	Application	Cable Type
CA1-0000-41Z-179-1	Mini-SMB (R/A) to BNC (Str)	RG179
CA1-0000-53Z-179-1	Mini-SMB (Str) to BNC (Str)	RG179
CA1-0000-58Z-179-1	Mini-SMB (R/A) to BNC (Str)	RG179
CA1-0000-89X-179-1	Mini-SMB (Str) to BNC (Str)	RG179
CA1-0000-94X-179-1	Mini-SMB ((Str) to BNC (R/A)	RG179

SPECIALTY CABLES
MINI-SMB CONNECTORS
DOUBLE-ENDED - 12 Conductor

CSI Tech Part No.	Application	Cable Type
CA1-0000-54Z-179-1	Mini-SMB (R/A) to BNC (Str)	RG179
CA1-0000-6Z2-SMB	Mini-SMB (45) to BNC (Str)	735

SPECIALTY CABLES
SMB CONNECTORS
DOUBLE-ENDED - 1 Conductor

CSI Tech Part No.	Application	Cable Type
CA1-0000-4Z1-SMB-1	SMB (R/A) to BNC (Str)	735
CA1-0000-92X-735-1	SMB (Str) to BNC (R/A)	735
CA1-0000-93X-735-1	SMB (Str) to BNC (Str)	735

SPECIALTY CABLES
SMB CONNECTORS
1 Conductor

CSI Tech Part No.	Application	Cable Type
CA1-0000-4Z2-SMB-1	SMB (R/A) to Stub	735
CA1-0000-5Z4-735-1	SMB (R/A) to BNC (R/A)	735
CA1-0000-45Z-179-1	SMB (R/A) to Stub w/BNC kit	RG179

DOUBLE-ENDED
BNC CONNECTORS
1 Conductor

CSI Tech Part No.	Application	Cable Type
CA1-0000-1X1-000-1	BNC (Str) to BNC (Str)	RG59
CA1-0000-80Z-179-1	BNC (Str) to BNC (Str)	RG179

DOUBLE-ENDED
BNC TO SMB CONNECTORS
2 Conductor

CSI Tech Part No.	Application	Cable Type
CA1-0000-09Z-2C0-1	BNC (Str) to SMB (45)w/o Tracer	735

DOUBLE-ENDED
BNC TO BNC CONNECTORS
2 Conductor

CSI Tech Part No.	Application	Cable Type
CA1-0000-1X2-000-1	BNC (Str) to BNC (Str) w/o Tracer	735

SINGLE-ENDED
BNC CONNECTORS
1 Conductor

CSI Tech Part No.	Application	Cable Type
CA1-0000-30U-735-1	BNC (Str) to Stub (set of 2)	735

**SPECIALTY CABLES
MINI-CONNECTORS**

CSI Tech Part No.	Application	Cable Type
CA1-0000-228-SMB-1	6C/S/E SMB (R/A) to Stub	735
CA1-0000-27X-735-1	6C/D/E BNC (Str) to LCC	735
CA1-0000-24X-735-1	6C/D/E BNC (Str) to (Str) (set of 2)	735
CA1-0000-29X-735-1	12C/D/E BNC (Str) to LCC	735
CA1-0000-31X-735-1	12C/D/E BNC (R/A) to (R/A)	735
CA1-0000-91X-735-1	8C S/E BNC (Str) to Stub w/bag	735

**DOUBLE-ENDED
LCC CONNECTORS**
1 Conductor

CSI Tech Part No.	Application	Cable Type
CA1-0000-4Z4-SMB-1	SMB (R/A) to LCC	735
CA1-0000-5Z5-LCC-1	SMB (R/A) to LCC w/bag/pkg	735

**SPECIALTY CABLES
SINGLE-ENDED W/BNC KIT
LCC CONNECTORS**

CSI Tech Part No.	Application	Cable Type
CA1-0000-28X-735-1	1C/LCC to Stub w/BNC (Str)	735
CA1-0000-30X-735-1	12C/LCC to Stub w/BNC (Str)	735

**SYCAMORE SYSTEMS
SINGLE-ENDED
12 Conductor**

CSI Tech Part No.	Description	Application
CA1-0000-56X-C04-1	S/E 720 COAX W/STR BNC Kits (set of 4)	DS3

Specify Length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

Connectorized Cable

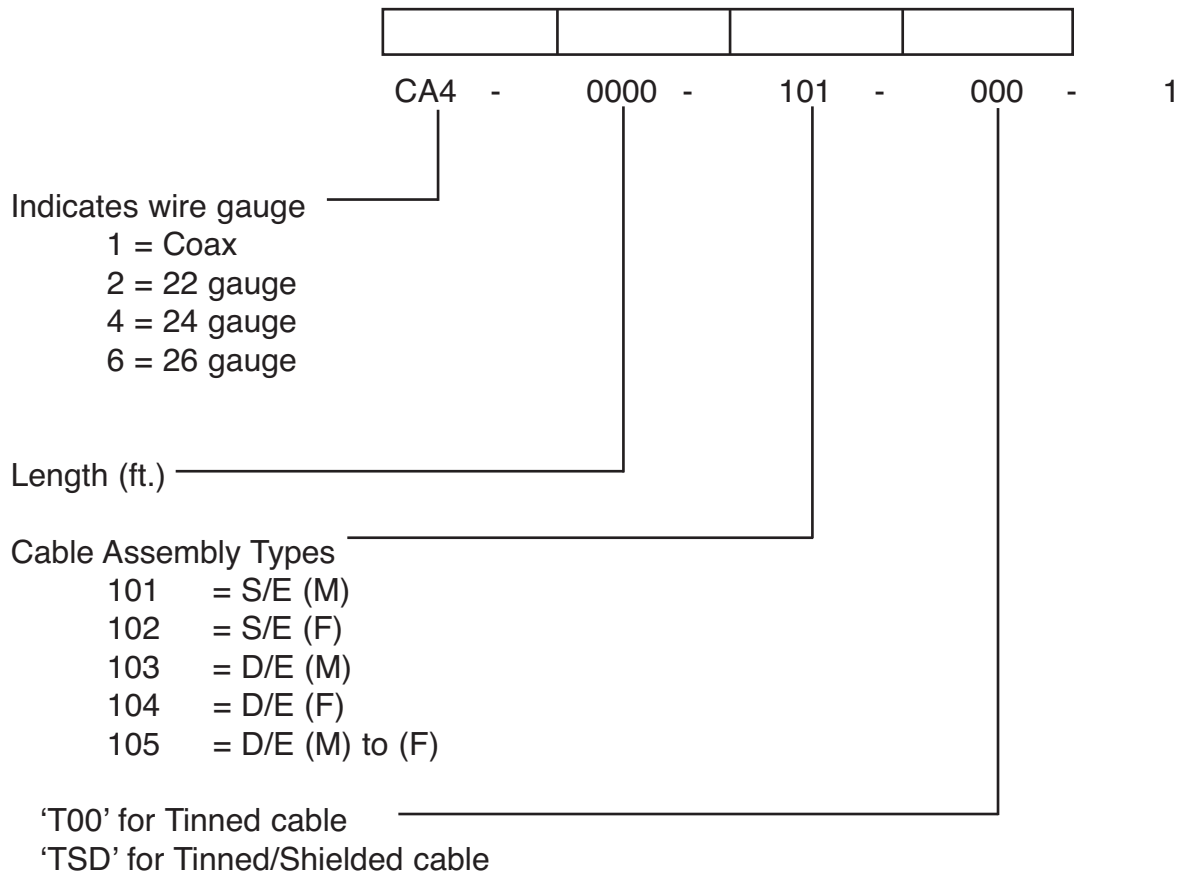
When custom designed assemblies are not required, you will find a full complement of assembly configurations available in this section. Cables are listed by 25, 50, 75 and 100 pair configurations with 50 pin connectors terminated on a single-end or double-end application. The cables are offered with 90° or 180° hoods and booted for a cosmetic look with strain relief protection.



Product Ordering Information

Cable Assemblies can be ordered by using these four easy steps.

- 1.) Select gauge of wire.
- 2.) Length of cable.
- 3.) Assembly Type.
- 4.) Tinned (T) or Untinned (0)



(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

25 PAIR TELCO CABLES

SINGLE & DOUBLE-ENDED Plastic 90° Connectors

CSI Tech Part No.	Description	Cable Type	Cable Length
CA0-0000-101-T00-1	S/E (M)	25pr/24awg Tinned	Custom
CA0-0000-102-T00-1	S/E (F)	25pr/24awg Tinned	Custom
CA0-0000-103-T00-1	D/E (M)	25pr/24awg Tinned	Custom
CA0-0000-104-T00-1	D/E (F)	25pr/24awg Tinned	Custom
CA0-0000-105-T00-1	D/E (M) / (F)	25pr/24awg Tinned	Custom

25 PAIR TELCO CABLES

SINGLE & DOUBLE-ENDED Metal 90° Connectors

CSI Tech Part No.	Description	Cable Type	Cable Length
CA4-0000-181-T00-1	S/E (M)	25pr/24awg Tinned	Custom
CA4-0000-182-T00-1	S/E (F)	25pr/24awg Tinned	Custom
CA4-0000-183-T00-1	D/E (M)	25pr/24awg Tinned	Custom
CA4-0000-184-T00-1	D/E (F)	25pr/24awg Tinned	Custom

25 PAIR TELCO CABLES w/TINNED SHIELDED CABLE & DRAIN

SINGLE & DOUBLE-ENDED Plastic 90° Connectors

CSI Tech Part No.	Description	Cable Type	Cable Length
CA4-0000-101-TSD-1	S/E (M)	25pr/24awg Tinned Shld	Custom
CA4-0000-102-TSD-1	S/E (F)	25pr/24awg Tinned Shld	Custom
CA4-0000-103-TSD-1	D/E (M)	25pr/24awg Tinned Shld	Custom
CA4-0000-104-TSD-1	D/E (F)	25pr/24awg Tinned Shld	Custom
CA4-0000-105-TSD-1	D/E (M) / (F)	25pr/24awg Tinned Shld	Custom

25 PAIR TELCO CABLES w/TINNED SHIELDED CABLE & DRAIN

SINGLE & DOUBLE-ENDED Metal 90° Connectors

CSI Tech Part No.	Description	Cable Type	Cable Length
CA0-0000-111-TSD-1	S/E (M)	25pr/24awg Tinned Shld	Custom
CA0-0000-112-TSD-1	S/E (F)	25pr/24awg Tinned Shld	Custom
CA0-0000-113-TSD-1	D/E (M)	25pr/24awg Tinned Shld	Custom
CA0-0000-114-TSD-1	D/E (F)	25pr/24awg Tinned Shld	Custom
CA0-0000-115-TSD-1	D/E (M) / (F)	25pr/24awg Tinned Shld	Custom

25 PAIR TELCO CABLES

DBL = DOUBLE-ENDED (1) 180° Bail Lock (M), (1) 90° (F)

CSI Tech Part No.	COMMSCOPE Part No.	Cable Type	Cable Length
CA4-0005-324-T00-1	N/A	25pr/24awg Tinned	5ft

25 PAIR TELCO CABLES

DBL = DOUBLE-ENDED (1) 180° Bail Lock (M), (1) 90° (M)

CSI Tech Part No.	COMMSCOPE Part No.	Cable Type	Cable Length
CA4-0005-325-T00-1	B25F5DBL	25pr/24awg Tinned	5ft
CA4-0010-325-T00-1	B25F10DBL	25pr/24awg Tinned	10ft
CA4-0015-325-T00-1	B25F15DBL	25pr/24awg Tinned	15ft
CA4-0020-325-T00-1	B25F20DBL	25pr/24awg Tinned	20ft
CA4-0025-325-T00-1	B25F25DBL	25pr/24awg Tinned	25ft
CA4-0050-325-T00-1	B25F50DBL	25pr/24awg Tinned	50ft
CA4-0100-325-T00-1	B25F100DBL	25pr/24awg Tinned	100ft
CA4-0150-325-T00-1	B25F150DBL	25pr/24awg Tinned	150ft
CA4-0200-325-T00-1	B25F200DBL	25pr/24awg Tinned	200ft

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

25 PAIR TELCO CABLES
SGL = SINGLE-ENDED (1) 180° (M) Bail Lock
DBL = DOUBLE-ENDED (2) 180° (M) Bail Lock

CSI Tech Part No.	COMMSCOPE Part No.	Cable Type	Cable Length
CA4-0005-115-T00-1	A25C5SGL	25pr/24awg Tinned	5ft
CA4-0005-329-T00-1	A25C5DBL	25pr/24awg Tinned	5ft
CA4-0010-115-T00-1	A25C10SGL	25pr/24awg Tinned	10ft
CA4-0010-329-T00-1	A25C10DBL	25pr/24awg Tinned	10ft
CA4-0015-115-T00-1	A25C15SGL	25pr/24awg Tinned	15ft
CA4-0015-329-T00-1	A25C15DBL	25pr/24awg Tinned	15ft
CA4-0020-115-T00-1	A25C20SGL	25pr/24awg Tinned	20ft
CA4-0020-329-T00-1	A25C20DBL	25pr/24awg Tinned	20ft
CA4-0025-115-T00-1	A25C25SGL	25pr/24awg Tinned	25ft
CA4-0025-329-T00-1	A25C25DBL	25pr/24awg Tinned	25ft
CA4-0050-115-T00-1	A25C50SGL	25pr/24awg Tinned	50ft
CA4-0050-329-T00-1	A25C50DBL	25pr/24awg Tinned	50ft
CA4-0100-115-T00-1	A25C100SGL	25pr/24awg Tinned	100ft
CA4-0100-329-T00-1	A25C100DBL	25pr/24awg Tinned	100ft
CA4-0150-115-T00-1	A25C150SGL	25pr/24awg Tinned	150ft
CA4-0150-329-T00-1	A25C150DBL	25pr/24awg Tinned	150ft
CA4-0200-115-T00-1	A25C200SGL	25pr/24awg Tinned	200ft
CA4-0200-329-T00-1	A25C200DBL	25pr/24awg Tinned	200ft
CA4-0000-115-T00-1	A25CXXSGL	25pr/24awg Tinned	Custom
CA4-0000-329-T00-1	A25CXXDBL	25pr/24awg Tinned	Custom

25 PAIR TELCO CABLES
DBL= DOUBLE-ENDED (1) Plastic 90° Connector to 3M

CSI Tech Part No.	Description	Cable Type	Cable Length
CA4-0000-01L-000-1	D/E 50 Pos(F)Ratchet to 3M Rev	25 pr/24/awg Tinned Unshld T1W	Custom

25 PAIR TELCO CABLES
SGL = SINGLE-ENDED (1) 90° (F)
DBL = DOUBLE-ENDED (2) 90° (F)

CSI Tech Part No.	Commscope Pt. No. Equiv.	Cable Type	Cable Length
CA4-0005-102-000-2	A25B-5SGL	25pr/24awg Tinned	5ft
CA4-0005-104-000-2	A25B-5DBL	25pr/24awg Tinned	5ft
CA4-0010-102-000-2	A25B-10SGL	25pr/24awg Tinned	10ft
CA4-0010-104-000-2	A25B-10DBL	25pr/24awg Tinned	10ft
CA4-0015-102-000-2	A25B-15SGL	25pr/24awg Tinned	15ft
CA4-0015-104-000-2	A25B-15DBL	25pr/24awg Tinned	15ft
CA4-0020-102-000-2	A25B-20SGL	25pr/24awg Tinned	20ft
CA4-0020-104-000-2	A25B-20DBL	25pr/24awg Tinned	20ft
CA4-0025-102-000-2	A25B-25SGL	25pr/24awg Tinned	25ft
CA4-0025-104-000-2	A25B-25DBL	25pr/24awg Tinned	25ft
CA4-0050-102-000-2	A25B-50SGL	25pr/24awg Tinned	50ft
CA4-0050-104-000-2	A25B-50DBL	25pr/24awg Tinned	50ft
CA4-0100-102-000-2	A25B-100SGL	25pr/24awg Tinned	100ft
CA4-0100-104-000-2	A25B-100DBL	25pr/24awg Tinned	100ft
CA4-0150-102-000-2	A25B-150SGL	25pr/24awg Tinned	150ft
CA4-0150-104-000-2	A25B-150DBL	25pr/24awg Tinned	150ft
CA4-0200-102-000-2	A25B-200SGL	25pr/24awg Tinned	200ft
CA4-0200-104-000-2	A25B-200DBL	25pr/24awg Tinned	200ft
CA4-0000-102-TFT-1	A25B-XXXSGL	25pr/24awg Tinned	Custom
CA4-0000-104-TFT-1	A25B-XXXDBL	25pr/24awg Tinned	Custom
CA4-0000-102-0FT-1	A25B-XXXSGL	25pr/24awg UnTinned	Custom
CA4-0000-104-0FT-1	A25B-XXX DBL	25pr/24awg UnTinned	Custom

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

25 PAIR TELCO CABLES

SGL = SINGLE-ENDED (1) 90° (M)

DBL = DOUBLE-ENDED (2) 90° (M)

CSI Tech Part No.	Commscope Pt. No. Equiv.	Cable Type	Cable Length
CA4-0005-101-000-2	A25D-5SGL	25pr/24awg Tinned	5ft
CA4-0005-103-000-2	A25D-5DBL	25pr/24awg Tinned	5ft
CA4-0010-101-000-2	A25D-10SGL	25pr/24awg Tinned	10ft
CA4-0010-103-000-2	A25D-10DBL	25pr/24awg Tinned	10ft
CA4-0015-101-000-2	A25D-15SGL	25pr/24awg Tinned	15ft
CA4-0015-103-000-2	A25D-15DBL	25pr/24awg Tinned	15ft
CA4-0020-101-000-2	A25D-20SGL	25pr/24awg Tinned	20ft
CA4-0020-103-000-2	A25D-20DBL	25pr/24awg Tinned	20ft
CA4-0025-101-000-2	A25D-25SGL	25pr/24awg Tinned	25ft
CA4-0025-103-000-2	A25D-25DBL	25pr/24awg Tinned	25ft
CA4-0050-101-000-2	A25D-50SGL	25pr/24awg Tinned	50ft
CA4-0050-103-000-2	A25D-50DBL	25pr/24awg Tinned	50ft
CA4-0100-101-000-2	A25D-100SGL	25pr/24awg Tinned	100ft
CA4-0100-103-000-2	A25D-100DBL	25pr/24awg Tinned	100ft
CA4-0150-101-000-2	A25D-150SGL	25pr/24awg Tinned	150ft
CA4-0150-103-000-2	A25D-150DBL	25pr/24awg Tinned	150ft
CA4-0200-101-000-2	A25D-200SGL	25pr/24awg Tinned	200ft
CA4-0200-103-000-2	A25D-200DBL	25pr/24awg Tinned	200ft
CA4-0000-101-TFT-1	A25D-XXXSGL	25pr/24awg Tinned	Custom
CA4-0000-103-TFT-1	A25D-XXXDBL	25pr/24awg Tinned	Custom
CA4-0000-101-OFT-1	A25D-XXXSGL	25pr/24awg UnTinned	Custom
CA4-0000-103-OFT-1	A25D-XXXDBL	25pr/24awg UnTinned	Custom

25 PAIR TELCO CABLES

DBL = DOUBLE-ENDED (1) 90° (F) to (1) 90° (M)

CSI Tech Part No.	Commscope Pt. No. Equiv.	Cable Type	Cable Length
CA4-0005-105-000-2	B25A-5 DBL	25pr/24awg UnTinned	5ft.
CA4-0010-105-000-2	B25A-10 DBL	25pr/24awg UnTinned	10ft.
CA4-0015-105-000-2	B25A-15 DBL	25pr/24awg UnTinned	15ft.
CA4-0020-105-000-2	B25A-20 DBL	25pr/24awg UnTinned	20ft.
CA4-0025-105-000-2	B25A-25 DBL	25pr/24awg UnTinned	25ft.
CA4-0050-105-000-2	B25A-50 DBL	25pr/24awg UnTinned	50ft.
CA4-0100-105-000-2	B25A-100 DBL	25pr/24awg UnTinned	100ft.
CA4-0200-105-000-2	B25A-200 DBL	25pr/24awg UnTinned	200ft.
CA4-0000-105-OFT-1	B25A-XXX	25pr/24awg UnTinned	Custom
CA4-0000-105-TFT-1	B25A-XXX	25pr/24awg Tinned	Custom

50 PAIR TELCO CABLES

SGL = SINGLE-ENDED (2) 90° (F) to STUB

DBL = DOUBLE-ENDED (4) 90° (F)

CSI Tech Part No.	Commscope Pt. No. Equiv.	Cable Type	Cable Length
CA4-0005-202-000-1	A50B-5SGL	50pr/24awg UnTinned	5ft
CA4-0020-202-000-1	A50B-20SGL	50pr/24awg UnTinned	20ft
CA4-0020-204-000-1	A50B-20DBL	50pr/24awg UnTinned	20ft
CA4-0025-202-000-1	A50B-25SGL	50pr/24awg UnTinned	25ft
CA4-0050-202-000-1	A50B-50SGL	50pr/24awg UnTinned	50ft
CA4-0050-204-000-1	A50B-50DBL	50pr/24awg UnTinned	50ft
CA4-0100-202-000-1	A50B-100SGL	50pr/24awg UnTinned	100ft
CA4-0100-204-000-1	A50B-100DBL	50pr/24awg UnTinned	100ft
CA4-0150-202-000-1	A50B-150SGL	50pr/24awg UnTinned	150ft
CA4-0150-204-000-1	A50B-150DBL	50pr/24awg UnTinned	150ft
CA4-0200-202-000-1	A50B-200SGL	50pr/24awg UnTinned	200ft
CA4-0200-204-000-1	A50B-200DBL	50pr/24awg UnTinned	200ft
CA4-0000-202-OFT-1	A50B-XXX	50pr/24awg UnTinned	Custom
CA4-0000-204-OFT-1	A50B-XXX	50pr/24awg UnTinned	Custom
CA4-0000-202-TFT-1	A50B-XXX	50pr/24awg Tinned	Custom
CA4-0000-204-TFT-1	A50B-XXX	50pr/24awg Tinned	Custom

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

75 PAIR TELCO CABLES
SGL = SINGLE-ENDED (3) 90° (F) to STUB
DBL = DOUBLE-ENDED (6) 90° (F)

CSI Tech Part No.	Commscope Pt. No. Equiv.	Cable Type	Cable Length
CA4-0005-207-000-1	A75A-5 SGL	75pr/24awg UnTinned	5ft
CA4-0010-207-000-1	A75A-10 SGL	75pr/24awg UnTinned	10ft
CA4-0010-209-000-1	A75A-10 DBL	75pr/24awg UnTinned	10ft
CA4-0015-209-000-1	A75A-15 DBL	75pr/24awg UnTinned	15ft
CA4-0025-207-000-1	A75A-25 SGL	75pr/24awg UnTinned	25ft
CA4-0025-209-000-1	A75A-25 DBL	75pr/24awg UnTinned	25ft
CA4-0100-207-000-1	A75A-100 SGL	75pr/24awg UnTinned	100ft
CA4-0100-209-000-1	A75A-100 DBL	75pr/24awg UnTinned	100ft
CA4-0200-207-000-1	A75A-200 SGL	75pr/24awg UnTinned	200ft
CA4-0200-209-000-1	A75A-200 DBL	75pr/24awg UnTinned	200ft
CA4-0000-207-000-1	A75A-XXX	75pr/24awg UnTinned	Custom
CA4-0000-209-000-1	A75A-XXX	75pr/24awg UnTinned	Custom
CA4-0000-207-T00-1	A75A-XXX	75pr/24awg Tinned	Custom
CA4-0000-209-T00-1	A75A-XXX	75pr/24awg Tinned	Custom

100 PAIR TELCO CABLES
SGL = SINGLE-ENDED (4) 90° (F) to STUB
DBL = DBL = DOUBLE-ENDED (8) 90° (F)

CSI Tech Part No.	Commscope Pt. No. Equiv.	Cable Type	Cable Length
CA4-0005-212-000-1	A100C-5SGL	100pr/24awg UnTinned	5ft
CA4-0010-212-000-1	A100C-10SGL	100pr/24awg UnTinned	10ft
CA4-0015-212-000-1	A100C-15SGL	100pr/24awg UnTinned	15ft
CA4-0015-214-000-1	A100C-15DBL	100pr/24awg UnTinned	15ft
CA4-0020-214-000-1	A100C-20DBL	100pr/24awg UnTinned	20ft
CA4-0025-212-000-1	A100C-25SGL	100pr/24awg UnTinned	25ft
CA4-0025-214-000-1	A100C-25DBL	100pr/24awg UnTinned	25ft
CA4-0050-212-000-1	A100C-50SGL	100pr/24awg UnTinned	50ft
CA4-0050-214-000-1	A100C-50DBL	100pr/24awg UnTinned	50ft
CA4-0100-212-000-1	A100C-100SGL	100pr/24awg UnTinned	100ft
CA4-0100-214-000-1	A100C-100DBL	100pr/24awg UnTinned	100ft
CA4-0150-212-000-1	A100C-150SGL	100pr/24awg UnTinned	150ft
CA4-0150-214-000-1	A100C-150DBL	100pr/24awg UnTinned	150ft
CA4-0200-212-000-1	A100C-200SGL	100pr/24awg UnTinned	200ft
CA4-0200-214-000-1	A100C-200DBL	100pr/24awg UnTinned	200ft
CA4-0000-212-000-1	A100C-XXXSGL	100pr/24awg UnTinned	Custom
CA4-0000-214-000-1	A100C-XXXDBL	100pr/24awg UnTinned	Custom
CA4-0000-212-T00-1	A100C-XXXSGL	100pr/24awg Tinned	Custom
CA4-0000-214-T00-1	A100C-XXXDBL	100pr/24awg Tinned	Custom

100 PAIR TELCO CABLES

SGL = SINGLE-ENDED (4) 90° (F) to STUB

DBL = DOUBLE-ENDED (8) 90° (F)

CSI Tech Part No.	Commscope Pt. No. Equiv.	Cable Type	Cable Length
CA4-0005-212-000-1	A100C-5SGL	100pr/24awg UnTinned	5ft
CA4-0010-212-000-1	A100C-10SGL	100pr/24awg UnTinned	10ft
CA4-0015-212-000-1	A100C-15SGL	100pr/24awg UnTinned	15ft
CA4-0015-214-000-1	A100C-15DBL	100pr/24awg UnTinned	15ft
CA4-0020-214-000-1	A100C-20DBL	100pr/24awg UnTinned	20ft
CA4-0025-212-000-1	A100C-25SGL	100pr/24awg UnTinned	25ft
CA4-0025-214-000-1	A100C-25DBL	100pr/24awg UnTinned	25ft
CA4-0050-212-000-1	A100C-50SGL	100pr/24awg UnTinned	50ft
CA4-0050-214-000-1	A100C-50DBL	100pr/24awg UnTinned	50ft
CA4-0100-212-000-1	A100C-100SGL	100pr/24awg UnTinned	100ft
CA4-0100-214-000-1	A100C-100DBL	100pr/24awg UnTinned	100ft
CA4-0150-212-000-1	A100C-150SGL	100pr/24awg UnTinned	150ft
CA4-0150-214-000-1	A100C-150DBL	100pr/24awg UnTinned	50ft
CA4-0200-212-000-1	A100C-200SGL	100pr/24awg UnTinned	200ft
CA4-0200-214-000-1	A100C-200DBL	100pr/24awg UnTinned	200ft
CA4-0000-212-000-1	A100C-XXXSGL	100pr/24awg UnTinned	Custom
CA4-0000-214-000-1	A100C-XXXDBL	100pr/24awg UnTinned	Custom
CA4-0000-212-T00-1	A100C-XXXSGL	100pr/24awg Tinned	Custom
CA4-0000-214-T00-1	A100C-XXXDBL	100pr/24awg Tinned	Custom

MISCELLANEOUS BOOTED CABLE ASSEMBLIES

SINGLE & DOUBLE-ENDED

CSI Tech Part No.	Description	Cable Type	Cable Length
CA4-0000-323-000-1	S/E Booted (3) (M) Spec Code	25pr/24awg	Custom
CA4-0000-201-000-1	S/E Booted (2) (M)	50pr/24awg	Custom
CA4-0000-201-T00-1	S/E Booted (2) (M)	50pr/24awg Tinned	Custom
CA4-0000-202-T00-1	S/E Booted (2) (F)	50pr/24awg Tinned	Custom
CA4-0000-203-000-1	D/E Booted (4) (M)	50pr/24awg	Custom
CA4-0000-203-T00-1	D/E Booted (4) (M)	50pr/24awg Tinned	Custom
CA4-0000-204-000-1	D/E Booted (4) (F)	50pr/24awg	Custom
CA4-0000-204-T00-1	D/E Booted (4) (F)	50pr/24awg Tinned	Custom
CA4-0000-205-000-1	D/E Booted (2 Each) (M) to (F)	50pr/24awg	Custom
CA4-0000-205-T00-1	D/E Booted (M) to (F)	50pr/24awg Tinned	Custom
CA4-0000-206-000-1	S/E Booted (3) (M)	75pr/24awg	Custom
CA4-0000-207-000-1	S/E Booted (3) (F)	75pr/24awg	Custom
CA4-0000-207-T00-1	S/E Booted (3) (F)	75pr/24awg Tinned	Custom
CA4-0000-208-000-1	D/E Booted (6) (M)	75pr/24awg	Custom
CA4-0000-209-000-1	D/E (F) Booted	75pr/24awg	Custom
CA4-0000-210-000-1	D/E Booted (3 Each) (M) to (F)	75pr/24awg	Custom
CA4-0000-211-000-1	S/E Booted (4) (M)	100pr/24awg	Custom
CA4-0000-211-T00-1	S/E Booted (4) (M)	100pr/24awg Tinned	Custom
CA4-0000-212-000-1	S/E Booted (4) (F)	100pr/24awg	Custom
CA4-0000-212-T00-1	S/E Booted (4) (F)	100pr/24awg Tinned	Custom
CA4-0000-213-000-1	D/E Booted (8) (M)	100pr/24awg	Custom
CA4-0000-214-000-1	D/E Booted (8) (F)	100pr/24awg	Custom
CA4-0000-214-T00-1	D/E Booted (8) (F)	100pr/24awg Tinned	Custom
CA4-0000-215-000-1	D/E Booted (4 Each) (M) to (F)	100pr/24awg	Custom
CA4-0000-253-000-1	D/E (M) Booted 50 Pos Cinch	100pr/24awg	Custom
CA4-0000-H20-T00-1	D/E 50 Pos.(M) MDF to Krone Block Co-Locate	100pr/24awg TIW	Custom
CA4-0000-221-000-1	S/E Booted (6) (M)	150pr/24awg	Custom
CA4-0000-221-T00-1	S/E Booted (6) (M)	150pr/24awg Tinned	Custom
CA4-0000-222-000-1	S/E Booted (6) (F)	150pr/24awg	Custom
CA4-0000-222-T00-1	S/E Booted (6) (F)	150pr/24awg Tinned	Custom
CA4-0000-223-000-1	D/E Booted (12) (M)	150pr/24awg	Custom
CA4-0000-224-000-1	D/E Booted (12) (F)	150pr/24awg	Custom
CA4-0000-225-000-1	D/E Booted (6 Each) (M) to (F)	150pr/24awg	Custom

(M) = Male Plug (F) = Female Socket

Specify length required (ie: CAx-0050-xxx-xxx-x = 50ft. assembly)

Bulk Cable and Connectors

This section enumerates many of the bulk cable and wire items that are available to our customers.

PLENUM CABLE

CSI Tech Part No.	Description	Color	Cable Type	Cable Length
WIR-6791-1FT-PLM-2	UTP, 100 Pair, Plenum	Gray	100pr/24awg	Custom
WIR-7155-1FT-PLM-2	UTP, 25 Pair, Plenum	Gray	25pr/24awg	Custom

AC POWER CABLE

CSI Tech Part No.	Description	Color	Cable Type	Cable Length
WIR-8917-1FT-BLK-2	Power Cable	Black	16awg	Custom
WIR-8917-1FT-RED-2	Power Cable	Red	16awg	Custom
WIR-1590-1FT-000-2	Power Cable	Gray	10awg	Custom
WIR-1566-1FT-000-2	Power Cable	Gray	12awg	Custom
WIR-9912-1FT-BLK-2	Power Cable	Black	12awg	Custom
WIR-9912-1FT-RED-2	Power Cable	Red	12awg	Custom
WIR-1574-1FT-000-2	Power Cable	Gray	14awg	Custom
WIR-3524-1FT-000-2	Power Cable	Gray	2awg	Custom
WIR-3531-1FT-000-2	Power Cable	Gray	4awg	Custom
WIR-3540-1FT-000-2	Power Cable	Gray	6awg	Custom
WIR-3557-1FT-000-2	Power Cable	Gray	8awg	Custom
WIR-3656-1FT-000-2	Power Cable	Gray	1/0	Custom
WIR-0403-1FT-192-2	Power Cable, Tinned Stranded	Red	16awg	Custom
WIR-0403-1FT-200-2	Power Cable, Tinned Stranded	Black	16awg	Custom
WIR-0014-1FT-BLK-2	Power Cable, PVC	Black	14awg	Custom
WIR-0014-1FT-GRN-2	Power Cable, PVC	Green	14awg	Custom
WIR-0014-1FT-RED-2	Power Cable, PVC	Red	14awg	Custom
WIR-0122-1FT-ISD-2	Power Cable, Shielded, 100ohm	Blue	1pr/22awg	Custom
WIR-1022-1FT-RBK-2	Power Cable, Shielded	Red/Black	1pr/22awg TIW	Custom

FOIL SHIELD CABLE (T1 Rated)

CSI Tech Part No.	Description	Cable Type	Cable Length
WIR-0622-MFT-TSD-2	Foil Shield, T1	6pr/22awg 606C	1000ft
WIR-0622-1FT-TSD-2	Foil Shield, T1	6pr/22awg 606C	Custom
WIR-1249-MFT-06P-2	Foil Shield, T1	6pr/26awg 1249	1000ft
WIR-1249-1FT-06P-2	Foil Shield, T1	6pr/26awg 1249	Custom
WIR-1222-MFT-TSD-2	Foil Shield, T1	12pr/22awg 607C	1000ft
WIR-1222-1FT-TSD-2	Foil Shield, T1	12pr/22awg 607C	Custom
WIR-1249-MFT-12P-2	Foil Shield, T1	12pr/26awg 1249	1000ft
WIR-1249-1FT-12P-2	Foil Shield, T1	12pr/26awg 1249	Custom
WIR-1622-MFT-TSD-2	Foil Shield, T1	16pr/22awg 608C	1000ft
WIR-1622-1FT-TSD-2	Foil Shield, T1	16pr/22awg 608C	Custom
WIR-1249-MFT-16P-2	Foil Shield, T1	16pr/26awg 1249	1000ft
WIR-1249-1FT-16P-2	Foil Shield, T1	16pr/26awg 1249	Custom
WIR-1249-1FT-20P-2	Foil Shield, T1	20pr/26awg 1249	Custom
WIR-2522-MFT-TSD-2	Foil Shield, T1	25pr/22awg 609C	1000ft
WIR-2522-1FT-TSD-2	Foil Shield, T1	25pr/22awg 609C	Custom
WIR-2524-1FT-0T1-2	Foil Shield, T1, 100 ohm	25pr/24awg T1	Custom
WIR-1249-MFT-25P-2	Foil Shield, T1	25pr/26awg 1249	1000ft
WIR-1249-1FT-25P-2	Foil Shield, T1	25pr/26awg 1249	Custom
WIR-1249-MFT-28P-2	Foil Shield, T1	25pr/28awg 1249	1000ft
WIR-2824-1FT-TSD-2	Foil Shield, T1, 100 ohm	28pr/24awg T1	Custom
WIR-1249-1FT-28P-2	Foil Shield, T1	28pr/26awg 1249	Custom
WIR-3022-MFT-TSD-2	Foil Shield, T1	30pr/22awg 613C	1000ft
WIR-3022-1FT-TSD-2	Foil Shield, T1	30pr/22awg 613C	Custom
WIR-3222-MFT-TSD-2	Foil Shield, T1	32pr/22awg 615C	1000ft
WIR-3222-1FT-TSD-2	Foil Shield, T1	32pr/22awg 615C	Custom
WIR-3224-1FT-0T1-2	Foil Shield, T1, 100 ohm	32pr/24awg T1	Custom
WIR-1249-MFT-32P-2	Foil Shield, T1	32pr/26awg 1249	1000ft
WIR-1249-1FT-32P-2	Foil Shield, T1	32pr/26awg 1249	Custom
WIR-1249-MFT-50P-2	Foil Shield, T1	50pr/26awg 1249	1000ft
WIR-1249-1FT-50P-2	Foil Shield, T1	50pr/26awg 1249	Custom
WIR-5622-1FT-DSC-2	Foil Shield, T1	56pr/22awg 618C	Custom

TINNED TWISTED PAIR

CSI Tech Part No.	Description	Cable Type	Cable Length
WIR-0224-MFT-TIN-2	Twisted Wire, Tinned	2pr/24awg TIW	1000ft
WIR-2910-1FT-000-2	Twisted Wire, Tinned, SWBD	4pr/22awg TIW 258A	Custom
WIR-2928-1FT-000-2	Twisted Wire, Tinned, SWBD	4pr/24awg TIW 286A	Custom
WIR-1054-125-300-2	Twisted Wire, Tinned, SWBD	4pr/26awg TIW 812A	Custom
WIR-0624-1FT-000-2	Twisted Wire, Tinned	6pr/24awg TIW	Custom
WIR-2563-1FT-000-2	Twisted Wire, Tinned, SWBD	6pr/26awg TIW 816A	Custom
WIR-0626-1FT-000-2	Twisted Wire, Tinned, SWBD	6pr 24awg TIW 252A	Custom
WIR-1054-125-220-2	Twisted Wire, Tinned	8pr 26awg Tinned 811A	Custom
WIR-2549-1FT-000-2	Twisted Wire, Tinned, SWBD	10pr/10sgls/24awg TIW 254A	Custom
WIR-2704-1FT-000-2	Twisted Wire, Tinned, SWBD	10pr/24awg TIW 253A	Custom
WIR-1054-125-890-2	Twisted Wire, Tinned, SWBD	10pr/26awg TIW 820A	Custom
WIR-1224-1FT-000-2	Twisted Wire, Tinned, SWBD	12pr/24awg TIW	Custom
WIR-2480-1FT-000-2	Twisted Wire, Tinned, SWBD	16pr/26awg TIW 807A	Custom
WIR-2415-1FT-20P-2	Twisted Wire, Tinned, SWBD	20pr/26awg TIW 800A	Custom
WIR-2024-MFT-000-2	Twisted Wire, Tinned, SWBD	20pr/24awg TIW 255A	1000ft
WIR-2024-1FT-000-2	Twisted Wire, Tinned, SWBD	20pr/24awg TIW 255A	Custom
WIR-0493-1FT-000-2	Twisted Wire, Tinned, SWBD	24pr/24awg TIW 266A	Custom
WIR-2524-1FT-TIN-2	Twisted Wire, Tinned, SWBD	25pr/24awg TIW	Custom
WIR-2524-MFT-TIN-2	Twisted Wire, Tinned	25pr/24awg TIW	1000ft
WIR-3442-1FT-000-2	Twisted Wire, Tinned	25pr/26awg TIW	Custom
WIR-2498-1FT-000-2	Twisted Wire, Tinned, SWBD	32pr/26awg TIW 808A	Custom
WIR-2860-1FT-000-2	Twisted Wire, Tinned, SWBD	50pr/24awg TIW 270A	Custom
WIR-5024-MFT-TIN-2	Twisted Wire, Tinned	50pr/24awg TIW	1000ft
WIR-5024-1FT-TIN-2	Twisted Wire, Tinned	50pr/24awg TIW	Custom
WIR-2548-1FT-000-2	Twisted Wire, Tinned, SWBD	50pr/26awg TIW 813A	Custom
WIR-2845-1FT-000-2	Twisted Wire, Tinned, SWBD	72pr/24awg TIW 267A	Custom
WIR-8600-1FT-75T-2	Twisted Wire, Tinned	75pr/24awg TIW	Custom
WIR-2464-1FT-000-2	Twisted Wire, Tinned, SWBD	80pr/26awg TIW 805A	Custom
WIR-8762-1FT-000-2	Twisted Wire, Tinned, SWBD	96pr/26awg TIW 823A	Custom
WIR-1004-MFT-TIN-2	Twisted Wire, Tinned Gray	100pr/24awg 1024	1000ft
WIR-1004-1FT-TIN-2	Twisted Wire, Tinned Gray	100pr/24awg 1024	Custom
WIR-3223-1FT-000-2	Twisted Wire, Tinned, SWBD	100pr/24awg TIW 262A	Custom
WIR-2472-1FT-100-2	Twisted Wire, Tinned, SWBD	100pr/26awg TIW 806A	Custom
WIR-3147-1FT-000-2	Twisted Wire, Tinned, SWBD	120pr/24awg TIW 287A	Custom
WIR-4386-1FT-000-2	Twisted Wire, Tinned, SWBD	125pr/24awg TIW	Custom
WIR-2514-1FT-000-2	Twisted Wire, Tinned, SWBD	128pr/26awg TIW 810A	Custom
WIR-8890-1FT-000-2	Twisted Wire, Tinned, SWBD	144pr/24awg TIW 288A	Custom
WIR-2555-1FT-000-2	Twisted Wire, Tinned, SWBD	144pr/26awg TIW814A	Custom
WIR-7988-1FT-000-2	Twisted Wire, Tinned, SWBD	150pr/24awg TIW	Custom
WIR-8028-1FT-000-2	Twisted Wire, Tinned, SWBD	150pr/26awg TIW	Custom

TINNED TWISTED WIRE

CSI Tech Part No.	Description	Color	Cable Type	Cable Length
WIR-4970-1FT-BLK-2	Twisted Wire, Tinned, BH2	Black	1C/22awg TIW	Custom
WIR-0124-1FT-RBK-2	Twisted Wire, Tinned, BH2	Red/Black	1C/24awg TIW	Custom
WIR-3743-1FT-000-2	Twisted Wire, Tinned, DP3	Black	1C/24awg	Custom
WIR-2693-1FT-BRB-2	Twisted Wire, Tinned, BH2	Black/Red/Black	1pr/20gawg TIW	Custom
WIR-2529-1FT-BRB-2	Twisted Wire, Tinned, BH2	Black/Red/Black	1pr/22awg TIW	Custom
WIR-5373-1FT-BRB-2	Twisted Wire, Tinned, BH2	Black/Red/Black	1pr/24awg TIW	Custom
WIR-4513-1FT-000-2	Twisted Wire, Tinned, DP3 Hook-Up	Black/Red/Black	2C/16awg	Custom
WIR-7999-1FT-RBK-2	Twisted Wire, Tinned, DP3 Hook-Up	Red/Black	2C/26awg	Custom
WIR-0255-1FT-RBK-2	Twisted Wire, Tinned, P-WIRE	Red/Black	2 /24awg TIW	Custom
WIR-2776-1FT-YYR-2	Twisted Wire, Tinned, BH2	Y-Y-G / R-G	3C/22awg TIW	Custom
WIR-2701-1FT-YYR-2	Twisted Wire, Tinned, BH2	Y-Y-G / R-G	3C/24awg TIW	Custom
WIR-5407-1FT-YYR-2	Twisted Wire, Tinned, BH2	Y-Y-G / R-R-G	4C/22awg TIW	Custom
WIR-5399-1FT-YYR-2	Twisted Wire, Tinned, BH2	Y-Y-G / R-R-G	4C/24awg TIW	Custom

COAXIAL BULK CABLE

CSI Tech Part No.	Description	Cable Type	Cable Length
WIR-0734-1FT-C01-2	CommScope 734S1	1C Coax	Custom
WIR-0734-1FT-J01-2	Judd 734	1C Coax	Custom
WIR-7340-1FT-000-2	Lucent 734D	1C Coax	Custom
WIR-0735-1FT-C01-2	CommScope 73501	1C Coax	Custom
WIR-0735-MFT-C00-2	CommScope 73501	1C Coax	1000ft
WIR-0735-1FT-J01-2	Judd735	1C Coax	Custom
WIR-7350-1FT-000-2	Lucent 735A	1C Coax	Custom
WIR-7350-MFT-000-2	Lucent 735A,	1C Coax	1000ft
WIR-0735-1FT-03C-2	CommScope 73503	3C Coax	Custom
WIR-7353-1FT-03C-2	Lucent 735A	3C Coax	Custom
WIR-0734-1FT-06C-2	CommScope 73406	6C Coax	Custom
WIR-0735-1FT-C06-2	CommScope 73506	6C Coax	Custom
WIR-7356-1FT-06C-2	Lucent 735A	6C Coax	Custom
WIR-0734-1FT-08C-2	CommScope 73408	8C Coax	Custom
WIR-0735-1FT-C08-2	CommScope 73508	8C Coax	Custom
WIR-7358-1FT-08C-2	Lucent 735A	8C Coax	Custom
WIR-0735-1FT-C09-2	CommScope 73509	9C Coax	Custom
WIR-7359-1FT-09C-2	Lucent 735A	9C Coax	Custom
WIR-0734-1FT-C12-2	CommScope 734S12	12C Coax	Custom
WIR-0735-1FT-C12-2	CommScope 73512	12C Coax	Custom
WIR-7352-1FT-12C-2	Lucent 735A	12C Coax	Custom
WIR-0735-1FT-C16-2	CommScope 73516	16C Coax	Custom
WIR-0735-T2C-1FT-2	Dual Coax w/Tracer 735T2	Dual Coax	Custom
WIR-0500-SPT-T1C-2	CommScope 735T1	1c/26awg	500ft Spool
WIR-1000-SPT-T1C-2	CommScope 735T1	1c/26awg	1000ft Spool
WIR-0500-SPT-T2C-2	CommScope 735T2	2c/26awg	500ft Spool
WIR-1000-SPT-T2C-	CommScope 735T2	2c/26awg	1000ft Spool

SHIELDED BULK CABLE

CSI Tech Part No.	Description	Cable Type	Cable Length
WIR-6759-1FT-RBK-2	P7, Red/Black Shield	2C/20awg TIW	Custom
WIR-1825-1FT-BLW-2	BF-3, Blue Shield	2C/22awg	Custom
WIR-7606-1FT-GRR-2	BF-3, GRN/RD Shield	2C/22awg	Custom
WIR-8180-1FT-OBK-2	BF-3, Orange/Black Shield	2C/22awg	Custom
WIR-7572-1FT-ORB-2	BF-3, Orange/Black Shield	2C/22awg	Custom
WIR-8144-1FT-Red-2	P7, Blue/Red-Blue Shield	2C/22awg	Custom
WIR-2722-1FT-BRB-2	P7, Blue/Red-Black TIW Shield	2C/22awg TIW	Custom
WIR-2836-1FT-222-2	Braid Foil Shield	2C/22awg	Custom
WIR-6783-1FT-WBL-2	P7, Blue/White-Blue, TIW Shield	2C/24awg TIW	Custom
WIR-5486-1FT-RBK-2	P7, Red/Black, TIW Shield	2C/24awg TIW	Custom
WIR-6791-1FT-RG0-2	P7, Red / Red-Green, TIW Shield	2C/24awg TIW	Custom
WIR-1175-1FT-RED-2	1175, Red Shield w/Drain	1pr/22awg	Custom
WIR-3888-1FT-BLW-2	761A1, TS Braid, Blue/White	1pr/24awg	Custom
WIR-1054-1FT-ORW-2	761A2, TS Braid, Orange/White	1pr/24awg	Custom
WIR-0399-1FT-2PR-2	TSD 1207-002D	2pr/24awg	Custom
WIR-2250-1FT-2SP-2	2250BT2, Indiv. Shield	2pr/22awg	Custom
WIR-2450-BT2-1FT-2	2450BT2, Indiv. Shield	2pr/24awg	Custom
WIR-2450-BT2-MFT-2	2450BT2, Indiv. Shield	2pr/24awg	1000ft
WIR-7747-1FT-000-2	758A, Indiv. Shield PRS	4pr/22awg	Custom
WIR-6125-MFT-4PR-2	Ind. Shield Dual	4pr/24awg	1000ft
WIR-4682-1FT-000-2	1107 TSD	4pr/24awg	Custom
WIR-9477-1FT-000-2	812AS SWBD Shield	4pr/26awg TIW	Custom
WIR-9519-1FT-000-2	816AS TIW SWBD Shield	6pr/26awg TIW	Custom
WIR-9469-1FT-000-2	811AS TIW SWBD Shield	8pr/26awg TIW	Custom
WIR-7804-1FT-000-2	753A Ind. Shield PRS	12pr/22awg	Custom
WIR-9428-1FT-16P-2	807AS TIW SWBD Shield	16pr/26awg TIW	Custom
WIR-2524-MFT-TSD-2	1107 TSD	25pr/24awg	1000ft - Prestolite Only
WIR-2524-1FT-TSD-2	1107 TSD	25pr/24awg	1000ft - Prestolite Only
WIR-9436-1FT-32P-2	808AS TIW SWBD Shield	32pr/26awg TIW	Custom
WIR-3224-TSD-000-2	TSD	32pr/24awg	Custom
WIR-5024-1FT-TSD-2	TSD	50pr/24awg	Custom
WIR-3834-1FT-TSD-2	TSD - 4 binders @ 25prs ea.	100pr/24awg	Custom
WIR-3834-MFT-TSD-2	TSD - 4 binders @ 25prs ea.	100pr/24awg	1000ft

TWISTED PAIR CABLE (UTP)

CSI Tech Part No.	Description	Color	Cable Type	Cable Length
WIR-2524-MFT-GRY-2	UTP, 25 Pair	Gray	25pr/24awg 1024	1000ft
WIR-2524-1FT-GRY-2	UTP, 25 Pair	Gray	25pr/24awg 1024	Custom
WIR-5024-MFT-GRY-2	UTP, 50 Pair	Gray	50pr/24awg 1024	1000ft
WIR-5024-1FT-GRY-2	UTP, 50 Pair	Gray	50pr/24awg 1024	Custom
WIR-7524-MFT-GRY-2	UTP, 75 Pair	Gray	75pr/24awg 1024	1000ft
WIR-7524-1FT-GRY-2	UTP, 75 Pair	Gray	75pr/24awg 1024	Custom
WIR-1004-MFT-GRY-2	UTP, 100 Pair	Gray	100pr/24awg 1024	1000ft
WIR-1004-1FT-GRY-2	UTP, 100 Pair	Gray	100pr/24awg 1024	Custom
WIR-1504-MFT-GRY-2	UTP, 150 Pair	Gray	150pr/24awg 1024	1000ft
WIR-1504-1FT-GRY-2	UTP, 150 Pair	Gray	150pr/24awg 1024	Custom



BULK COAX CONNECTORS

CSI Tech Part No.	Manufacturer Part No.	Manufacturer	Description
TRO-2200-025-RAG-2	UPLR220-025	Trompeter	Right Angle BNC, 734
TRO-0220-025-STR-2	UPL220-025	Trompeter	Straight BNC, 734
TRO-0734-MIN-WCO-2	PL11C-025	Trompeter	Mini-Weco, 734
TRO-0735-MIN-WCO-2	PL11C-026	Trompeter	Mini-Weco, 735
TRO-2200-026-RAG-2	UPLR220-026	Trompeter	Right Angle BNC, 735
TRO-0220-026-STR-2	UPL220-026	Trompeter	Straight BNC, 735
TRO-3600-027-ADP-2	ADMW12	Trompeter	Adapter, 75 ohm, BNC to Mini-Weco
TRO-0000-RAG-ADP-2	UADRMF220	Trompeter	Adapter, 75 ohm, BNC to Right Angle
SEA-0051-113-900-2	051-128-9189-910	Seaelectro	Right Angle Posi-Lock, 734
SEA-0051-128-117-2	051-128-9189-910	Seaelectro	Right Angle Posi-Lock, 735
LCC-1110-100-734-2	N/A	ADC	Little Coax Connector (LCC), 734
LCC-1110-130-735-2	LCC-111012	ADC	Little Coax Connector (LCC), 735
ITT-5812-490-699-2	5812-490-699-2	Seaelectro	Straight BNC, 734

AMP CONNECTOR KITS

50 POS. w/90° & 180° Hoods - 22, 24 & 26awg

CSI Tech Part No.	Description
AMP-2250-F01-BLK-2	Screw-Lock (M) w/90° Hood, 22awg
AMP-2250-F01-BLK-2	Screw-Lock (F) w/90° Hood, 22awg
AMP-2450-001-PKG-2	Screw-Lock (M) w/90° Hood, 24awg
AMP-2450-002-PKG-2	Screw-Lock (F) w/90° Hood, 24awg
AMP-2450-004-PKG-2	Screw-Lock (M) w/180° Hood, 24awg
AMP-2450-180-PKG-2	Bail-Lock (M) w/180° Hood, 24awg
AMP-2650-001-PKG-2	Screw-Lock (M), w/90° Hood Ratchet, 26awg
AMP-2650-002-PKG-2	Screw-Lock (F) w/90° Hood Ratchet, 26awg

CINCH PLASTIC CONNECTORS

50 POS. w/90° Hoods - 24 & 26awg

CSI Tech Part No.	Description
CIN-2450-001-PKG-2	Screw-Lock (M)(M) w/90° Hood, 24/26awg
CIN-2450-003-PKG-2	Screw-Lock (F) w/90° Hood, 24/26awg



AMP CONNECTOR KITS

64 POS. - 22, 24 & 26awg

CSI Tech Part No.	Description
AMP-2264-101-KIT-2	Screw-Lock, F-Slot(M) w/90° Hood, 22awg
AMP-2264-102-KIT-2	Screw-Lock F-Slot(F) w/90° Hood, 22awg
AMP-2664-001-PKG-2	Screw-Lock (M) w/90° Hood, 24/26awg
AMP-2664-002-PKG-2	Screw-Lock (F) w/90° Hood, 24/26awg

COMMSCOPE- 710 PLASTIC CONNECTORS

50 POS. - 22, 24 & 26awg

CSI Tech Part No.	Description
ATT-7101-D10-025-2	Gray 710 Bridge Connector, 22/24/26awg
ATT-7103-D10-025-2	Gray 710 Splice Connector, 22/24/26awg

Alarm Systems

Emerson Network Power Connectivity Solutions offers a variety of local alarms, which may be used independently or in conjunction with other, more sophisticated alarm reporting devices. Products are all electro-mechanical devices designed to provide audible and/or visual local and remote indicators of equipment status. We also offer custom applications.



CSI Tech Part No.	Description
TSI-6003-ALM-000-2	2 level Equipment Alarm (Major + Minor) 40 diode isolated alarm inputs with audible and visual signals ACO and lamp test feature
TSI-6004-ALM-000-2	2 level Floor Alarm (Major + Minor) 10 lamp LED display each level with 1 audible signal and ACO feature
TSI-6005-ALM-000-2	1 level Exit Alarm (Alarm) Provided visual and audible signals Acknowledge and reset functions Operates independently or controlled by another alarm system (Dantel)
TSI-6006-ALM-000-2	3 level Equipment Alarm (Critical, Major + Minor) 100 diode isolated inputs with visual signals and test function Forwards aisle alarm signals to another system for processing (Dantel)
TSI-6010-ALM-000-2	2 level Exit or Floor Alarm 10 Major + Minor visual status only
TSI-6013-ALM-000-2	3 level Equipment Alarm (Critical, Major + Minor) 40 diode isolated inputs with separate audible and visual signals. ACO and Lamp Test feature.
TSI-6015-ALM-000-2	4 level 911 Equipment Alarm (Major, Minor, Power + Printer) 4 relay contact closure inputs with separate audible and visual signals ACO switch for each level
TSI-6017-ALM-24V-2	2 level 911 Equipment Alarm (Major + Minor) 2 relay contact closure inputs with separate audible and visual signals ACO switch for each level

MISCELLANEOUS ALARM EQUIPMENT

CSI Tech Part No.	Description
TSI-6016-ALM-RMT-2	Remote Alarm cut off switch
TSI-6018-ALM-AUD-2	Remote Audible Signal
TSI-6019-ALM-VIS-2	Remote Visual Signal
TSI-6021-SLV-RLY-2	Misc. Alarm Relay

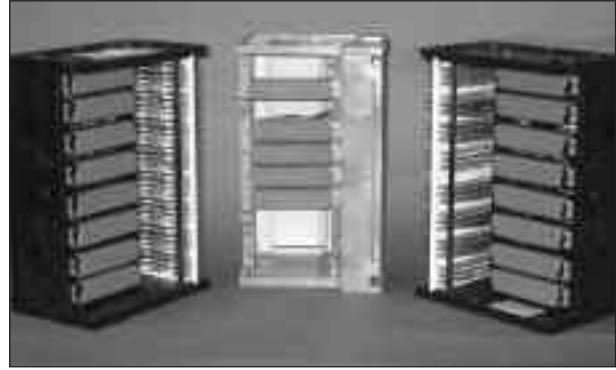
ALARM REPLACEMENT PARTS

CSI Tech Part No.	Description
ALN-1112-350-000-2	Plastic Lens Cap (RED)
ALN-1112-450-000-2	Plastic Lens Cap (CLEAR)
ALN-1112-550-000-2	Plastic Lens Cap (AMBER)
ALN-1115-850-000-2	Plastic Lens Cap (GREEN)
ALP-1112-250-000-2	Lamp Bulb 48V. (48PBS)
PLU-0430-BRK-000-2	Alarm Mounting Bracket (Universal)

TERMINAL BLOCKS - BR STYLE
COMMSCOPE CROSS-REFERENCE GUIDE

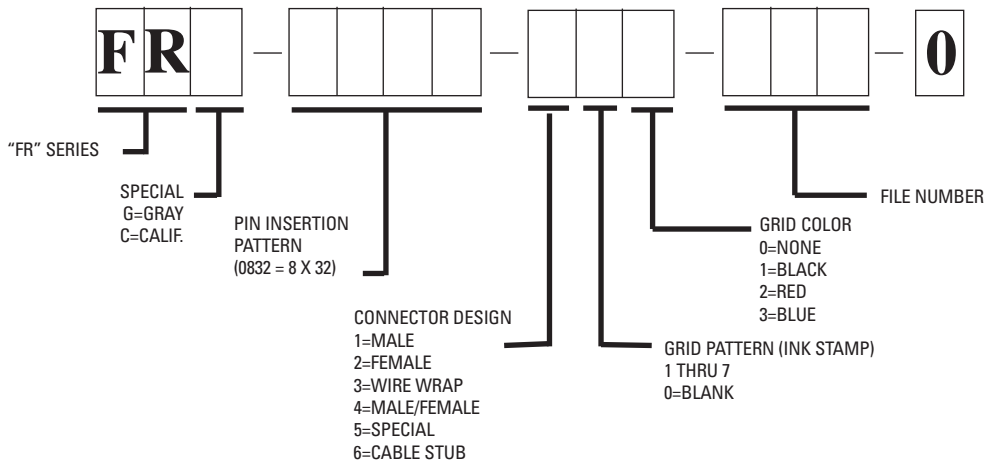
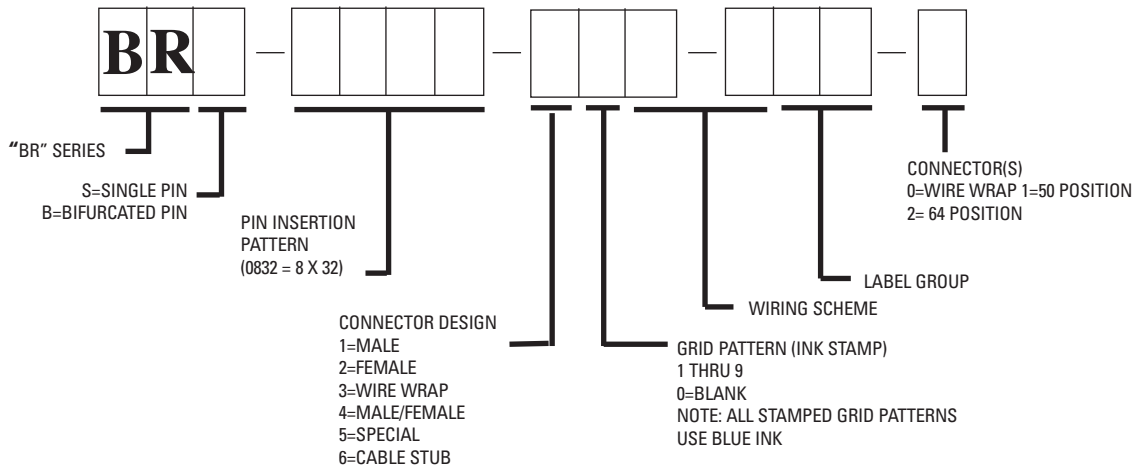
COMMSCOPE Part No.	CSI Tech Part No.	Application
89E1A-96	BRB-0824-333-000-0	Miscellaneous
89F1A-100	BRB-0825-363-000-0	SS Trunk, Toll
89F1B-100	BRB-0825-363-001-0	Miscellaneous
89M1CH21-128	BRB-0832-133-C02-2	Siemens EWSD
89G4B-128B	BRB-0832-133-C04-2	DMS-100
89M1CC21-128	BRB-0832-133-C04-2	5ESS, ISLU/RISLU
89G1B-128B	BRB-0832-133-C06-2	5ESS
89M1CA21-128	BRB-0832-133-C06-2	5ESS
89G4C-128B	BRB-0832-133-D03-2	DMS-100
89M1DD21-128	BRB-0832-133-D03-2	DMS-100
89M1JB21-128	BRB-0832-133-J05-2	5ESS, ISLU/RISLU
89E1A-128	BRB-0832-333-000-0	Trunk, Special Services
89E4B-128	BRB-0832-333-004-0	5ESS, ISLU/RISLU 2W
89E4C-128	BRB-0832-333-003-0	DMS-100
89E6B-128	BRB-0832-333-005-0	5ESS, ISLU, RISLU
89E1B-128	BRB-0832-333-006-0	5ESS
89E7A-128	BRB-0832-333-016-0	Siemens Bifurcated
89E7B-128	BRB-0832-335-S02-0	Siemens Bifurcated
89E1A-90	BRS-0630-363-000-0	DS-1 Terminal
89M3EE22-100	BRS-0825-161-V24-1	Miscellaneous
89M1FG22-100	BRB-0825-163-E01-1	Loop Pairs
89M3FF22-100	BRS-0825-163-E01-1	Tie Cable
89F1F-100	BRS-0825-363-000-0	Miscellaneous
89F1C-100	BRS-0825-363-001-0	Tie Pairs
89E1A-120	BRS-0830-363-000-0	SMAS
89E1E-120	BRS-0830-363-000-0	Miscellaneous
89M3CH21-128	BRS-0832-133-C02-2	Siemens EWSD
89M3CC21-128	BRB-0832-133-C04-2	Ericsson Lines TRW
89M3JB21-128	BRS-0832-133-J05-2	Miscellaneous
89E1E-128	BRS-0832-333-000-0	Miscellaneous
89E7E-128	BRS-0832-333-016-0	Siemens Wire Wrap
89E1C-150	BRS-1030-383-000-0	Tie Pairs
89E1A-150	BRS-1030-383-000-0	Trunk, Special Services
89E1E-210	BRS-1430-393-000-0	Toll
89E1E-224	BRS-1432-333-000-0	Misc. Toll
89E1E-192	BRS-1624-523-000-0	D4 Channel Banks
89E1C-200	BRS-1625-393-000-0	Miscellaneous
89E1E-240	BRS-1630-523-000-0	Miscellaneous
89E1E-256	BRS-1632-323-000-0	Special Services
89-0825H	BRS-0825-162-J24-1	Sparton Air Pressure Monitor Control
89M1AH11-128	BRB-0832-330-500-0	Co-Location Block
N/A	BRS-0825-1A3-X00-1	Siecor #139 D4100 R052W
N/A	BRS-0832-1C3-X00-1	Siecor #139 D4100 R052W

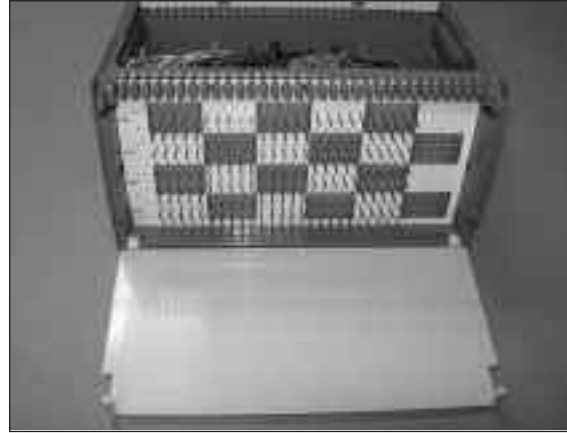
Terminal blocks are made of super-tough, state-of-the-art polycarbonates, enabling these blocks to exceed all current electrical, fire retardancy, life span and strength requirements while meeting all current NEBS standards. Available in both bifurcated and single pin configurations, the blocks offer up to 256 pair (non-connectorized) or up to 200 pair (connectorized).



Etched grid patterns and stenciling on pin field and top and front of fanning strip offer a user-friendly block capable of satisfying all installation and maintenance standards. Designation labels and replacement parts are also available.

**TERMINAL BLOCKS
PART EXPLANATION SHEET**





BR Style

TERMINAL BLOCKS - BR & FR STYLE TELECT CROSS-REFERENCE GUIDE

TELECT Part No.	CSI Tech Part No. Gray Frame (BR)	CSI Tech Part No. Black Frame (FR)
205-1005-000	BRS-1025-173-G08-1	FR-1025-172-211-0
205-1105-000	BRS-1025-176-G99-1	FR-1024-172-231-0
205-1205-007	BRS-1025-176-G37-1	FR-1025-172-237-0
205-2005-000	BRS-1025-183-P00-1	FR-1025-171-129-0
214-0106-000	BRS-1124-153-A00-1	FR-1124-112-233-0
224-2006-000	BRS-1224-594-P44-1	FR-1224-152-209-0
224-3306-000	BRS-1224-125-H28-1	FR-1224-153-329-0
225-1006-000	BRS-1225-521-D31-1	FR-1225-153-311-0
225-2006-000	BRS-1225-193-R00-1	FR-1225-153-131-0
265-1003-000	BRS-0625-163-B17-1	FR-0625-132-207-0
281-2004-000	BRS-0820-133-B21-1	FR-0820-161-125-0
284-0304-001	BRS-0830-161-H00-1	N/A
284-2003-303	BRS-0824-233-C00-2	FR-0824-271-133-0
284-2004-000	BRS-0832-132-056-2	FR-0824-133-319-0
284-2004-005	BRS-0824-133-B29-1	FR-0824-133-319-0
284-3004-000	BRS-0824-161-C28-1	FR-0824-133-321-0
285-1004-000	BRS-0824-134-E00-1	FR-0824-131-511-0
285-1004-003	BRS-0825-161-C28-1	FR-0824-133-321-0
285-1104-004	BRS-0824-134-G00-1	FR-0824-132-203-0
285-1105-000	BRS-0824-134-G52-1	FR-0824-132-205-0
285-2004-000	BRS-0825-163-X29-1	FR-0825-131-103-0
285-2104-000	BRS-0825-136-V55-1	FR-0825-163-349-0
285-2104-001	BRS-0825-136-V55-1	FR-0825-163-349-0
285-3004-000	BRS-0825-161-C28-1	FR-0825-133-303-0
400-0010-000	BRS-1030-383-000-0	N/A
400-2066-001	BRS-1030-183-K00-1	FR-1030-111-105-0

TELECT Part No.	CSI Tech Part No. Gray Frame (BR)	CSI Tech Part No. Black Frame (FR)
405-1025-044	BRS-1025-176-G37-1	FR-1025-172-237-0
405-1065-000	BRS-1025-173-G08-1	FR-1025-172-211-0
405-1065-040	BRS-1024-173-G08-1	FR-1025-172-211-0
405-1065-046	BRS-1025-183-G00-1	N/A
405-1265-047	BRS-1025-176-G37-1	FR-1025-172-237-0
405-2065-040	BRS-1025-183-P00-1	FR-1025-171-129-0
414-0166-000	BRS-1124-153-A00-1	FR-1124-112-233-0
421-2064-343	BRS-1222-591-I43-1	N/A
421-2066-001	BRS-1224-125-E67-1	FR-1224-122-200-0
422-0208-001	BRS-1232-129-A00-1	FR-1232-121-517-0
422-2068-000	BRS-1232-123-A00-1	FR-1232-121-107-0
422-2068-001	BRS-1232-123-A00-1	FR-1232-121-107-0
422-2068-700	BRS-1232-223-A00-1	N/A
424-2006-000	BRS-1224-194-P44-1	FR-1224-121-153-0
424-2066-000	BRS-1224-594-P44-1	FR-1224-152-209-0
424-2066-040	BRS-1224-594-P44-1	FR-1224-152-209-0
424-3366-001	BRS-1224-125-H28-1	FR-1224-153-329-0
425-0000-040	BRS-1225-523-016-0	FR-1225-351-505-0
425-1006-000	BRS-1225-195-A00-1	FR-1225-121-515-0
425-1006-004	BRS-1225-195-A00-1	FR-1225-121-515-0
425-1066-000	BRS-1225-521-D31-1	FR-1225-153-311-0
425-1066-043	BRS-1225-521-D31-1	FR-1225-153-311-0
425-2006-000	BRS-1224-194-P44-1	FR-1224-121-153-0
425-2066-000	BRS-1224-594-P00-1	FR-1224-161-123-0
464-1068-001	BRS-1624-196-W77-1	N/A

TERMINAL BLOCK MOUNTING BARS

CSI Tech Part No.	Description
TSI-4068-019-BRK-2	Mounting Bar, 19in Relay Rack
TSI-4068-023-BRK-2	Mounting Bar, 23in Relay Rack



FR Style

**TERMINAL BLOCKS - BR & FR STYLE
TELECT CROSS-REFERENCE GUIDE (Cont'd)**

TELECT Part No.	CSI Tech Part No. Gray Frame (BR)	CSI Tech Part No. Black Frame (FR)
465-0000-040	BRS-0625-363-000-0	FR-0625-333-000-0
465-1063-040	BRS-0625-163-B17-1	FR-0625-132-207-0
465-1068-000	BRS-1624-196-W00-1	FR-1624-123-307-0
465-1068-701	BRS-1625-296-W00-1	FR-1625-223-150-0
465-1168-004	BRS-1625-146-W00-1	FR-1625-161-143-0
465-2068-000	BRS-1625-193-A00-1	FR-1625-161-137-0
465-2068-040	BRS-1625-193-A00-1	FR-1625-161-137-0
468-0108-001	BRS-1618-100-201-1	FR-1618-100-201-0
481-0265-041	BRS-0830-161-H00-1	FR-0830-161-117-0
481-2063-041	BRS-0818-532-H00-1	FR-0818-161-111-0
481-2065-041	BRS-0830-161-H00-1	N/A
481-2263-041	BRS-0817-532-H00-1	FR-0817-161-119-0
482-0000-040	BRS-0832-333-000-0	N/A
482-0000-042	BRS-0832-333-000-0	N/A
482-1004-341	BRS-0832-132-056-2	FR-0824-133-319-0
484-0364-001	BRS-0824-134-K00-1	FR-0824-133-331-0
484-2004-000	BRS-0824-134-E00-1	FR-0824-131-511-0
484-2004-040	BRS-0824-134-E00-1	FR-0824-131-511-0
484-2004-045	BRS-0824-134-E00-1	FR-0824-131-511-0
484-2064-000	BRS-0824-133-B29-1	FR-0824-133-319-0
484-2064-042	BRS-0824-133-B29-1	FR-0824-133-319-0
484-2064-045	BRS-0824-133-B29-1	FR-0824-133-319-0
484-3004-041	BRS-0824-134-F00-1	FR-0824-131-509-0
484-3064-000	BRS-0825-161-C28-1	FR-0824-133-321-0
485-0000-000	BRS-0825-363-000-0	FR-0825-361-503-0

TELECT Part No.	CSI Tech Part No. Gray Frame (BR)	CSI Tech Part No. Black Frame (FR)
485-0000-040	BRS-0825-363-000-0	FR-0825-361-503-0
485-1004-000	BRS-0825-162-J36-1	N/A
485-1004-048	BRS-0825-162-J36-1	N/A
485-1064-000	BRS-0825-163-B55-1	FR-0825-163-309-0
485-1064-040	BRS-0825-163-B55-1	FR-0825-163-309-0
485-1064-045	BRS-0825-163-B55-1	FR-0825-163-309-0
485-1164-004	BRS-0824-134-G00-1	FR-0824-132-203-0
485-1164-044	BRS-0824-134-G00-1	FR-0824-132-203-0
485-1165-010	BRS-0824-134-G52-1	FR-0824-132-205-0
485-1264-041	BRS-0825-163-B14-1	N/A
485-2004-000	BRS-0825-162-J72-1	FR-0825-131-146-0
485-2064-001	BRS-0825-163-X29-1	FR-0825-131-103-0
485-2064-040	BRS-0825-163-X29-1	FR-0825-131-103-0
485-2064-041	BRS-0825-163-X29-1	FR-0825-131-103-0
485-2164-041	BRS-0825-136-V55-1	FR-0825-163-349-0
485-3064-000	BRS-0825-161-C28-1	FR-0825-133-303-0
485-3064-040	BRS-0825-161-C28-1	FR-0825-133-303-0
581-2062-341	BRB-0816-131-G29-2	N/A
582-0000-040	BRB-0832-333-000-0	N/A
582-1004-341	BRB-0832-132-056-2	N/A
582-1064-341	BRB-0832-133-D03-2	N/A
582-1064-345	BRB-0832-133-W24-2	N/A
582-2004-341	BRB-0832-133-W24-2	N/A
582-2064-341	BRB-0832-133-C04-2	N/A
584-2004-045	BRB-0824-134-E00-1	N/A

TERMINAL BLOCK PARTS

BR SERIES

CSI Tech Part No.	Description
TSI-3000-008-000-2	BR Frame
TSI-3000-007-000-2	BR Connector Bar
TSI-3000-005-000-2	BR Pinfield
TSI-3000-003-000-2	BR Frame Extension
TSI-3000-015-000-2	BR Fanning Strip
TSI-3000-004-000-2	BR Front Cover
TSI-3000-006-000-2	BR Top Cover
TSI-3000-013-000-2	BR Jumper Lock
TSI-3000-014-000-2	BR Stencil Strip
TSI-3000-016-000-2	BR W/W Fanning Strip

TERMINAL BLOCK PARTS

FR SERIES

CSI Tech Part No.	Description
TSI-1000-013-000-2	FR Frame
TSI-1000-007-000-2	FR Connector Bar
TSI-1000-011-000-2	FR Pinfield
TSI-1000-009-000-2	FR W/W Fanning Strip
TSI-1000-012-000-2	FR Front Cover
TSI-1000-008-000-2	FR Top Cover
TSI-1000-010-000-2	FR Jumper Lock

TERMINAL BLOCK LABELS

COMMSCOPE CROSS-REFERENCE GUIDE

Group No.	CSI Tech Part No.	Application
1	DSG-0044-000-LAB-2	Blank - 128pr Vertical Blocks
3	DSG-0018-000-LAB-2	D4 Channel Bank 100pr Horizontal Blocks
4	DSG-0007-000-LAB-2	Blank - 128pr Horizontal Blocks
5	DSG-0017-000-LAB-2	Blank - 100pr Horizontal Blocks
6	DSG-0004-000-LAB-2	128pr 2/2B ESS SLU (2:1 LCR) Horizontal
8	DSG-0012-000-LAB-2	128pr 5ESS SLU Horizontal
9	DSG-0006-000-LAB-2	128pr 1/1A ESS SLU (4:1 LCR) Horizontal
12	DSG-0005-000-LAB-2	128pr 1/1A ESS SLU (2:1 LCR) Horizontal
14	DSG-0035-000-LAB-2	D4 Channel Bank 100pr Vertical Blocks
19	DSG-0016-000-LAB-2	DMS-100 TM2 120pr Horizontal Blocks
20	DSG-0015-000-LAB-2	DMS-100 TM4 120pr Horizontal Blocks
21	DSG-0014-000-LAB-2	DMS-100 TM8 120pr Horizontal Blocks
24	DSG-0008-000-LAB-2	Blank - Tie Cable & Loop 100pr Vertical
25	DSG-0049-000-LAB-2	Blank - 100pr Vertical Blocks
26	DSG-0021-000-LAB-2	Misc 200pr or 256pr Horizontal Blocks
27	DSG-0020-000-LAB-2	Misc 125pr Special Service Vertical
28	DSG-0019-000-LAB-2	Misc 125pr Special Services Horizontal
29	DSG-0045-000-LAB-2	D4/D5 Channel Bank 192pr Vertical
30	DSG-0046-000-LAB-2	D4/D5 Channel Bank 192pr Horizontal
32	DSG-0001-000-LAB-2	D4 Channel Bank 150pr Horizontal
36	DSG-0039-000-LAB-2	D4 Channel Bank 100pr Vertical
37	DSG-0009-000-LAB-2	Blank - 200pr Tie Cable & Loop Horizontal
47	DSG-0020-000-LAB-2	Blank - 125pr Misc Special Services Vertical
52	DSG-0011-000-LAB-2	DMS-100 128pr (Optional) Horizontal
55	DSG-0003-000-LAB-2	Siemens EWSD Lines 128pr
56	DSG-0002-000-LAB-2	5ESS ISLU/RISLU 2w 128pr Horizontal



TERMINAL STRIPS

Type	CSI Tech Part No.	Total Pins	Mtg Hole Centers	Term Type
234A	COM-0100-733-153-0	400	22.32"	DW
234J	COM-0102-919-107-0	300	22.32"	DW
251C	COM-0100-733-476-0	100	2" & 2"	DW
251F	COM-0100-733-500-0	160	2" & 2" or 3"	DW
251G	COM-0100-733-518-0	180	2" & 2"	DW
259A	COM-0100-733-716-0	*20	2.375"	DW
276A	COM-0100-733-989-0	*24	2.884"	SW
284A	COM-0100-734-052-0	*16	1.312"	SW
284B	COM-0100-734-078-0	*16	1.312"	SW
296A	COM-0100-734-383-0	116	1.500" x 2.900"	DW
309A	COM-0100-734-565-0	*16	1.030" & .938"	DW
321A	COM-0100-734-672-0	16	1.312"	DW
330A	COM-0101-207-538-0	24	1.812"	DW
336A	COM-0101-626-240-0	256	15.50" & 1.37"	DB
336E	COM-0101-799-138-0	512	15.50" x 1.37"	WWB
2-251F	COM-0110-733-162-0	320	22.32"	DW
27A	COM-0100-730-613-0	Fanning Strip		
19B	ATT-0000-19B-000-2	Fanning Strip		
P-10A914	COM-0811-019-140-1	Wire Guide		
TERM PIN	COM-0814-661-245-0			

* Some pins are common

DW = Double Sided Wire Wrap
 SW = Single Sided Wire Wrap
 DB = Double Sided Bifurcated

OPTO-TECH™

97A-x Analog Voiceband Attenuators

Features

- Patented H-pad design provides voiceband attenuation from -1 dB to -8 dB within ± 0.2 dB tolerance
- Eliminates high loop current
- Passive Device - No ground required
- Tip & Ring balanced to 600 ohm telephone line impedance
- Reversible in-line single pair connection via modular RJ-11 jack and plug
- Compact size, excellent durability, high impact plastic housing
- ANSI T1/E1 conforming RJ-11 jack/plug with 50 microns of gold plating
- Meets FCC surge protection requirements
- ETL Listed (Meets UL-1863, CSA-225)



Description

Excessive loop current can cause the following problems:

- ✓ Decreased modem performance (slow data rates)
- ✓ Modem, fax, telephone disconnects
- ✓ Equipment failures
- ✓ Random squealing and echoes

The 97A-x reduces excessive loop current to a preferred level, hence stabilizing and improving the voiceband frequency response of the circuit. The problems described above are eliminated, therefore allowing the equipment to perform at optimal levels.

The 97A-x patented H-pad design reduces the voiceband frequency response from -1 dB to -8 dB, depending on the model ordered. Additionally, the different 97A-x products provide a vast range of loop loss from -3 mA up to -14.5 mA. 1

CSI Tech Part No.	dB Loss	Loop Loss*	SWB PID #
97A-1	-8 dB	-14.5 mA	---
97A-2	-7 dB	-13.0 mA	---
97A-3	-6 dB	-11.5 mA	---
97A-4	-5 dB	-10.0 mA	---
97A-5	-4 dB	-9.0 mA	701222317
97A-6	-3 dB	-7.5 mA	---
97A-7	-2 dB	-5.5 mA	---
97A-8	-1 dB	-3.0 mA	---

* Loop loss within ± 1 mA.

Specifications	
DC Resistance (Tip-to-Ring open)	> 10 Mohms
Capacitance (Tip-to-Ring)	< 20 nF
Return Loss	> 40 dB
Delay Distortion	< 100 µs
Attenuation Tolerance @ 1004 Hz	± 0.2 dB
Dimensions (L x W x H inches)	1.44 x .78 x .88
U.S. Patent No.	5,642,415 ETL No. 60987

OPTO-TECH™

Analog Radio Frequency Interference Filters**Features**

- Patented design provides radio frequency interference (RFI) attenuation up to -57 dB
- Eliminates RFI including AM, FM, CB and amateur radio from voiceband DC signal
- Passive Device - No ground required
- Tip & Ring balanced to 600 ohm telephone line impedance
- Reversible in-line single pair connection via modular RJ-11 jack and plug
- Compact size, excellent durability, high impact plastic housing
- ANSI T1/E1 conforming RJ-11 jack/plug with 50 microns of gold plating
- Meets FCC surge protection requirements
- ETL Listed (Meets UL-1863)

**Description**

The Opto-Tech filters below are single pair in-line filters designed to attenuate RFI up to -57 dB on analog lines from 75 kHz to 150 MHz. The filters require no external grounding and are balanced to 600 ohms with an off-hook insertion loss of less than 0.1 dB at 1004 Hz, thus ideal for telephony applications such as with telephones, fax machines and analog PC modems.

The two recommended product types are the **Customer Premise Modular** version and the **Weatherproofed Network Interface (NI)** version. In certain situations, the RFI demodulated signal power may be so overbearing that multiple filters would need to be installed in series to eliminate the RFI.

NOTE: The Opto-Tech filters mentioned are not designed to filter DSL frequencies from POTS frequencies, since these filters will not attenuate a portion of the upstream DSL frequency spectrum; however, certain installation techniques using the Opto-Tech RFI filters can be used to alleviate RFI in DSL applications (refer to the Installation Guideline Brochure).

ANALOG RFI FILTER

CSI Tech Part No.	Description	SWB PID #
M-150	Installs on Phone Line	701222333
M-150-H	Installs on Handset Cord	- - -
SA-150	Weatherproofed	701222325
W-150-M	Wall Plate	701222341

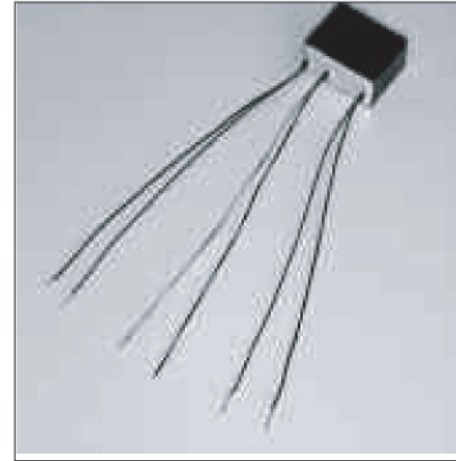
Specifications	
DC Resistance (Tip-to-Ring open)	> 10 Mohms
DC Resistance (Tip-to-Ring shorted)	< 10 ohms
Max. DC Current	150 mA
Capacitance (Tip-to-Ring)	< 0.1 nF
Return Loss	> 40 dB
Longitudinal Balance	> 80 dB
Attenuation Distortion	< 0.2 dB
Off-Hook Insertion Loss @ 1004 Hz	< 0.1 dB
Attenuation @ 75 kHz	-3 dB
RFI Attenuation	to -57 dB
Dimensions (L x W x H inches)	1.44 x .78 x .88
U.S. Patent No.	6,078,662 ETL No. 60987

OPTO-TECH™

DSL Universal Pots Splitter

Features

- Improves voiceband quality by removing DSL frequencies from telephone line
- Filters radio frequency interference (AM, FM, CB and HAM) on network line
- Eliminates inside wiring (IW) bridge taps
- Includes a high-speed DSL modem pair, one filtered analog pair and a network line pair
- Installs within any network interface device (NID) via ScotchLok™ connectors or spade lugs
- Tip & Ring balanced to 600 ohm line impedance
- Passive device - no external power or ground required
- Compact size, excellent durability, high impact housing, weatherproofed, 24awg wire
- ACTA and CS - 03 Registered



Description

The DSL Universal POTS Splitter is an advanced external filtering solution specifically designed to filter high frequency DSL noise from analog customer premise equipment by separating the DSL signal from the analog voice signal. The DSL Universal POTS Splitter includes a filtered analog pair for connection to the inside wiring and a DSL pair for connection to the DSL modem, thus allowing analog voice or fax transmission while simultaneously using the DSL line. The DSL Universal POTS Splitter incorporates innovative passive filtering technology, thereby enhancing voice reception and analog data transmission. The DSL Universal POTS Splitter installs on the customer side or network side within the NID via terminal connections or splicing.

Specifications (subject to change without notice.)	
DC Current Capacity	100 mA
DC Resistance (Open)	> 100 Mohms
DC Resistance (Shorted)	< 20 ohms
Capacitance	< 53 nF
Off-Hook Insertion Loss @ 1004 Hz	< .25 dB
Longitudinal Balance @ 1004 Hz	> 70 dB
Stopband Attenuation	(138 kHz - 2.2 MHz) 75 dB
RFI Attenuation	to 80 dB
Dimensions (L x W x H inches)	.7x1.25x.935

Line/DSL Wiring (W/BL pair for DSL output)			
W/BL	GREEN	RED	BL/W
DSL	Tip-Network	Ring- Network	DSL
	BLACK	YELLOW	
	Tip-Cust. Prem	Ring-Cust. Prem	

CSI Tech Part No.	Description
DSL600-PS	Universal POTS Splitter - Wires in any NID

Notes:

- 1 Actual throughput rates may vary depending on DSL configurations and subscriber loop conditions.
- 2 Protects HPN rates as described in T1E1.4/2001-221.

OPTO-TECH™

RF ATTENUATORS & FILTERS CROSS-REFERENCE LISTING

CSI Tech Part No.	ALLTEL Part No.	Application
OPT-0000-A15-000-2	409-210-000	A-150 Analog RFI Filter (Hardwired)
OPT-0000-M15-000-2	409-212-000	M-150 Analog RFI Filter (In-Line Modular RJ-11)
OPT-0000-M15-0H0-2	409-211-000	M-150-H Analog RFI Filter (Handset Modular RJ-22)
OPT-0000-SA1-500-2	409-213-000	SA-150 Analog RFI Filter (Hardwired /Spade Clips)

CSI Tech Part No.	BELLSOUTH Part No.	Application
OPT-0000-97A-100-2	681012811	97A-1 Analog Voiceband Attenuator (-8dB)
OPT-0000-97A-200-2	328012497	97A-2 Analog Voiceband Attenuator (-7dB)
OPT-0000-97A-300-2	682012810	97A-3 Analog Voiceband Attenuator (-6dB)
OPT-0000-97A-400-2	683012819	97A-4 Analog Voiceband Attenuator (-5dB)
OPT-0000-97A-500-2	795952860	97A-5 Analog Voiceband Attenuator (-4dB)
OPT-0000-97A-600-2	685012817	97A-6 Analog Voiceband Attenuator (-3dB)
OPT-0000-97A-700-2	686012816	97A-7 Analog Voiceband Attenuator (-2dB)
OPT-0000-97A-800-2	687012815	97A-8 Analog Voiceband Attenuator (-1dB)
OPT-0000-A15-000-2	753931807	A-150 Analog RFI Filter (Hardwired)
OPT-0000-M15-000-2	996921565	M-150 Analog RFI Filter (In-Line Modular RJ-11)
OPT-0000-SA1-500-2	752931808	SA-150 Analog RFI Filter (Hardwired /Spade Clips)

CSI Tech Part No.	SBC (Ameritech) Part No.	Application
OPT-0000-97A-600-2	102813250	97A-6 Analog Voiceband Attenuator (-3 dB)
OPT-0000-A15-000-2	260437819	A-150 Analog RFI Filter (Hardwired)
OPT-0000-M15-000-2	260443114	M-150 Analog RFI Filter (In-Line Modular RJ-11)
OPT-0000-SA1-500-2	260446976	SA-150 Analog RFI Filter (Hardwired /Spade Clips)

CSI Tech Part No.	SBC (SW BELL) Part No.	Application
OPT-0000-97A-500-2	701222317	97A-5 Analog Voiceband Attenuator (-4 dB)
OPT-0000-M15-000-2	701222333	M-150 Analog RFI Filter (In-Line Modular RJ-11)
OPT-0000-SA1-500-2	701222325	SA-150 Analog RFI Filter (Hardwired/Spade Clips)
OPT-0000-W15-0M0-2	701222341	W-150-M Analog RFI Filter (Modular Wall Plate)

CSI Tech Part No.	SPRINT Part No.	Application
OPT-0000-97A-500-2	517666	97A-5 Analog Voiceband Attenuator (-4 dB)
OPT-0000-A15-000-2	484604	A-150 Analog RFI Filter (Hardwired)
OPT-0000-M15-000-2	484617	M-150 Analog RFI Filter (In-Line Modular RJ-11)
OPT-0000-M15-0H0-2	484701	M-150-H Analog RFI Filter (Handset Modular RJ-22)
OPT-0000-MK1-M00-2	451524	MK-1-M Message Waiting Lamp (Modular, 90V – 130V Neon)
OPT-0000-POR-FF0-2	483831	PORFF Analog AM RFI Filter (Hardwired)

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RF ATTENUATORS & FILTERS CROSS-REFERENCE LISTING (Cont'd)

CSI Tech Part No.	VERIZON (GTE) Part No.	Application
OPT-0000-97A-100-2	87205426	97A-1 Analog Voiceband Attenuator (-8 dB)
OPT-0000-97A-200-2	87222376	97A-2 Analog Voiceband Attenuator (-7 dB)
OPT-0000-97A-300-2	87222377	97A-3 Analog Voiceband Attenuator (-6 dB)
OPT-0000-97A-400-2	87222375	97A-4 Analog Voiceband Attenuator (-5 dB)
OPT-0000-97A-500-2	87205427	97A-5 Analog Voiceband Attenuator (-4 dB)
OPT-0000-97A-700-2	87222387	97A-7 Analog Voiceband Attenuator (-2 dB)
OPT-0000-97A-800-2	87222388	97A-8 Analog Voiceband Attenuator (-1 dB)
OPT-0000-A15-000-2	378749	A-150 Analog RFI Filter (Hardwired)
OPT-0000-M15-000-2	378752	M-150 Analog RFI Filter (In-Line Modular RJ-11)
OPT-0000-M15-0H0-2	378753	M-150-H Analog RFI Filter (Handset Modular RJ-22)
OPT-0000-MK0-000-2	387527	MK Message Waiting Kit (Modular, 90V – 130V Neon)
OPT-0000-MK1-M00-2	308128	MK-1-M Message Waiting Lamp (Modular, 90V – 130V Neon)
OPT-0000-POR-FF0-2	348308	PORFF Analog AM RFI Filter (Hardwired)
OPT-0000-SA1-500-2	378750	SA-150 Analog RFI Filter (Hardwired /Spade Clips)

CSI Tech Part No.	VERIZON (NORTH) Part No.	Application
OPT-0000-A15-000-2	159525	A-150 Analog RFI Filter (Hardwired)
OPT-0000-M15-000-2	159590	M-150 Analog RFI Filter (In-Line Modular RJ-11)
OPT-0000-M15-0H0-2	240143	M-150-H Analog RFI Filter (Handset Modular RJ-22)
OPT-0000-SA1-500-2	345330	SA-150 Analog RFI Filter (Hardwired /Spade Clips)
OPT-0000-W15-0M0-2	735746	W-150-M Analog RFI Filter (Modular Wall Plate)

CSI Tech Part No.	VERIZON (SOUTH) Part No.	Application
OPT-0000-97A-100-2	700245852	97A-1 Analog Voiceband Attenuator (-8 dB)
OPT-0000-97A-200-2	700245853	97A-2 Analog Voiceband Attenuator (-7 dB)
OPT-0000-97A-300-2	700245854	97A-3 Analog Voiceband Attenuator (-6 dB)
OPT-0000-97A-400-2	700245855	97A-4 Analog Voiceband Attenuator (-5 dB)
OPT-0000-97A-500-2	700245856	97A-5 Analog Voiceband Attenuator (-4 dB)
OPT-0000-97A-600-2	700245857	97A-6 Analog Voiceband Attenuator (-3 dB)
OPT-0000-97A-700-2	700245858	97A-7 Analog Voiceband Attenuator (-2 dB)
OPT-0000-97A-800-2	700245859	97A-8 Analog Voiceband Attenuator (-1 dB)
OPT-0000-A15-000-2	700245847	A-150 Analog RFI Filter (Hardwired)
OPT-0000-M15-000-2	700245849	M-150 Analog RFI Filter (In-Line Modular RJ-11)
OPT-0000-M15-0H0-2	700245850	M-150-H Analog RFI Filter (Handset Modular RJ-22)
OPT-0000-SA1-500-2	700245848	SA-150 Analog RFI Filter (Hardwired /Spade Clips)
OPT-0000-W15-0M0-2	700245851	W-150-M Analog RFI Filter (Modular Wall Plate)

OPTO-TECH™

Installation Guideline & Troubleshooting Flowchart for Analog Radio Frequency Interference (RFI) Filters

Radio Frequency Interference (RFI)

This guide addresses the common problems associated with RFI at the network interface device (NID) and customer premise equipment (CPE) for POTS and DSL installations, in addition to providing several analog RFI solutions using Opto-Tech products.

RFI is the reception of unwanted demodulated radio frequency (RF) signals. The demodulation of the unwanted RF signals typically occurs near a transmitting antenna, thus potentially coupling the RF signal to the nearby telephone medium. The RFI occurs because the demodulated signal (e.g., AM radio station) is received into the telephone handset via coupling of the DC baseband signal generated by the local telephone central office once the handset goes "off-hook." The reception location can randomly occur within the residential home or within the telephone local loop. Ultimately, the RFI power being demodulated is so overbearing that the customer formally complains to the local exchange carrier (LEC) or the FCC.

The following radio frequencies will most likely interfere with telephone facilities and CPE:

- AM - 540 to 1700 kHz
- FM - 88.1 to 107.9 MHz
- CB - 26.965 to 27.225 MHz
- US Amateur Radio - varies from 1800 kHz to 148 MHz

Physical defects of the subscriber loop transmission medium can also lead to RFI, such as follows:

1. Corroded/bad splice connections, foreign attachments
2. Bridge taps, abandoned drop wires
3. Unbalanced pairs

The Opto-Tech filters described below are single pair in-line filters designed to attenuate RFI up to -57 dB on analog lines from 75 kHz to 150 MHz. The filters require no external grounding and are balanced to 600 ohms with an off-hook insertion loss of less than 0.1 dB at 1004 Hz, thus ideal for telephony applications such as with telephones, fax machines and analog modems. The particular Opto-Tech filters described below are not designed to filter DSL frequencies from POTS frequencies, as these filters will not attenuate a portion of the upstream DSL frequency spectrum; however, certain installation techniques using the Opto-Tech RFI filters can be used to alleviate RFI in DSL applications. Refer to Analog Solutions for DSL below.

NID INSTALLATIONS: The Opto-Tech A-150 and SA-150 RFI filters are weatherproofed units, which typically install in series within the LEC's NID. The SA-150 (Figure 1) has spade clips attached to the end of the wires, whereas the A-150 does not. Refer to Analog Solutions for DSL below.

CUSTOMER PREMISE INSTALLATIONS: Although aesthetically different, the M-150 RFI filter (Figure 2) is electronically identical to the A-150. This modular version can be placed at any location that requires an RJ-11 connection, but typically before the CPE.

The M-150-H RFI filter is for placement between the telephone handset receiver and the telephone via RJ-22 connections.

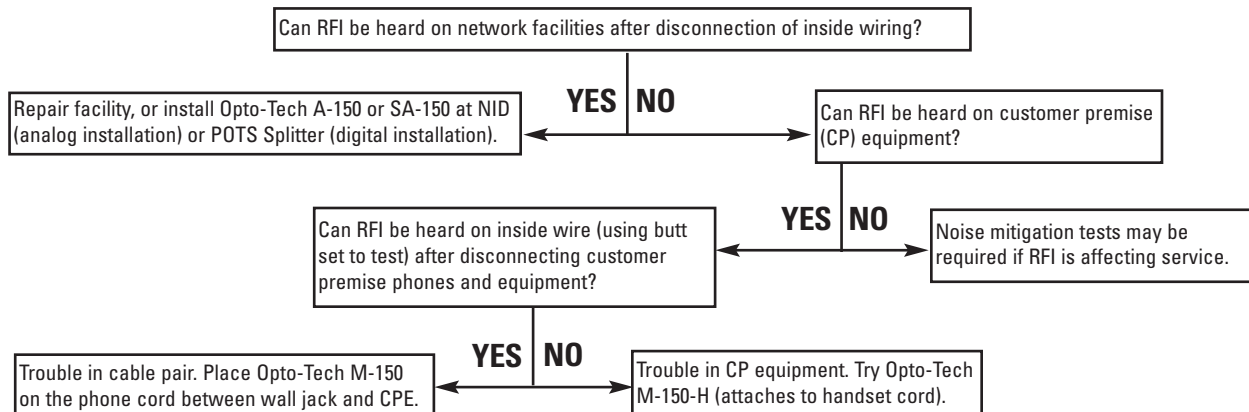
DSL is a high-speed digital information technology that transmits data over existing copper local loops simultaneously with the analog voiceband DC signal. Both signals are present on the line and require some form of splitting at the CO and customer premise.

Although the DSL signal does not use DC, RFI can still demodulate onto the unshielded pair and interfere with the DSL throughput rate or possibly keep the DSL modem from initially synchronizing. Additionally, the DSL modems (ATU-C and ATU-R) can detect changes in the line impedance when telephones or other customer premise devices are used, which causes the modems to potentially disconnect and resynchronize.

DSL POTS SPLITTER INSTALLATIONS: In DSL POTS Splitter installations where RFI is a problem, the Opto-Tech A-150 or SA-150 RFI filter should be placed in series only on the Voice tip and ring terminals located within the POTS Splitter. Do not place the filters on the Network or Data terminals within the POTS Splitter or the NID, since this will disrupt DSL service. Depending on the type of POTS Splitter used and the bit per second rate, the Opto-Tech A-150/SA-150 filter can possibly improve the DSL data throughput rate by providing higher impedance to the CPE.

In DSL self-install installations where RFI is a problem, the M-150 or W-150-M can be placed before any analog CPE (i.e., telephone, fax machine, analog modem) to remove RFI. Additionally, the M-150-H can be placed in series with the handset cord if the RFI demodulation is occurring between the phone base and the handset. The filter(s) should NOT be placed before the DSL modem, since this will disrupt DSL service. The M-150 filter is not intended to replace the DSL self-install micro-filter.

RFI Troubleshooting Flowchart for Analog or Digital Installations



ADC

01-78993-001	CSI Technologies
01-93010-061	CA4-0006-598-000-2
01-930XX-101	CA6-0010-578-000-2
01-930XX-111	CA4-0000-186-000-1
01-930XX-121	CA2-0000-T13-000-1
01-930XX-141	CA4-0000-187-000-1
01-930XX-151	CA4-0000-188-000-1
01-93XXX-091	CA4-0000-189-000-1
3AC-BBDAXX	CA4-0000-190-000-1
3AC-BBDXX	CA4-0000-R55-000-1
500-020-0307	CA1-0000-X27-C00-1
500-020-0308	CA1-0000-X98-C00-1
500-020-0312	CA1-0100-X44-734-1
500-020-0313	CA1-0100-X44-734-1
500-020-0315	CA1-0100-X33-735-1
500-020-0316	CA1-0100-X43-734-1
500-020-0317	CA1-0200-X43-734-1
500-020-0439	CA1-0010-X34-735-1
500-020-0440	CA1-0150-X34-735-1
500-020-0441	CA1-0150-X34-735-1
500-020-0445	CA1-0200-X34-735-1
500-020-0447	CA1-0010-X33-735-1
500-020-0449	CA1-0150-X33-735-1
500-020-0450	CA1-0200-X33-735-1
500-020-0451	CA1-0025-X33-735-1
500-020-0453	CA1-0050-X33-735-1
500-020-0454	CA1-0075-X33-735-1
500-020-0461	CA1-0150-X32-735-1
500-020-0465	CA1-0075-X32-735-1
500-020-0737	CA1-0100-S10-C00-1
500-020-1048	CA2-0075-746-000-1
500-020-1049	CA6-0003-659-000-1
500-020-1050	CA2-0014-761-000-2
500-020-1051	CA6-0075-741-000-1
500-020-1052	CA1-0050-S19-C00-1
500-020-1053	CA2-0075-807-000-1
500-020-1055	CA6-0004-799-000-2
500-020-1056	CA1-0075-Y08-C00-1
500-020-1057	CA2-0075-981-000-1
500-020-1058	CA6-0005-736-000-1
500-020-1082	CA6-0075-743-000-1
500-020-1083	CA6-0075-745-000-1
500-020-1086	CA4-0025-982-000-1
500-020-1092	CA2-0035-981-000-1
500-020-1093	CA6-0020-983-000-1
500-020-1094	CA6-0025-985-000-1
500-020-1097	CA6-0150-983-000-1
500-020-1098	CA6-0150-985-000-1
500-020-1100	CA1-0020-X59-735-1
500-020-1101	CA2-0015-758-000-1
500-020-1102	CA6-0000-763-000-2
500-020-1102	CA2-0002-805-000-1
500-020-1103	CA2-0002-806-000-1
500-020-1104	CA2-0100-807-000-1
500-020-1105	CA6-0150-813-000-1
500-020-1106	CA6-0150-817-000-1
500-020-1109	CA1-0060-S11-C00-1
500-020-1120	CA6-0075-576-000-1
500-020-1121	CA6-0075-721-000-1
500-020-1131	CA6-0003-751-000-1
500-020-1152	CA4-0040-271-000-1
500-020-1152	CA4-0005-R51-000-1
500-020-1153	CA4-0005-C02-T00-1
500-020-1164	CA1-0030-S08-C00-1
500-020-1165	CA4-0010-394-000-1
500-020-1168	CA2-0015-497-000-1
500-020-1169	CA4-0001-168-700-1
500-020-1170	CA4-0006-169-000-1
500-020-1171	CA1-0040-S16-C00-1
500-020-1174	CA1-0035-X10-C00-1
500-020-1182	CA2-0040-471-000-1
500-020-1183	CA2-0030-471-000-1
500-020-1184	CA2-0030-T24-000-1
500-020-1186	CA4-0050-996-000-1
500-020-1187	CA4-0005-271-000-1
500-020-1188	CA4-0045-280-000-1
500-020-1198	CA1-0025-Y08-C00-1
500-020-1199	CA6-0025-741-000-1
500-020-1200	CA6-0025-743-000-1
500-020-1220	CA2-0050-471-000-1
500-020-1236	CA1-0035-S08-C00-1

500-020-1260	CA1-0030-Y08-C00-1
500-020-1261	CA6-0050-983-000-1
500-020-1266	CA6-0070-747-000-1
500-020-1269	CA2-0080-746-000-1
500-020-1272	CA1-0040-S08-C00-1
500-020-1284	CA6-0005-818-000-1
500-020-1375	CA6-0012-714-000-1
500-020-1674	CA2-0100-274-000-1
500-020-1675	CA1-0040-X52-C00-1
500-020-1733	CA4-0010-878-000-1
500-020-1734	CA4-0150-856-000-1
500-020-1735	CA2-0100-386-000-1
500-020-1781	CA4-0150-896-000-1
500-020-1782	CA6-0150-950-000-1
500-020-1788	CA4-0200-856-000-1
500-020-1806	CA2-0050-399-000-1
500-020-1815	CA2-0040-354-000-1
500-020-1817	CA2-0040-352-000-1
500-020-1818	CA2-0040-351-000-1
500-020-1819	CA4-0070-343-000-1
500-020-1823	CA6-0085-753-000-1
500-020-1859	CA2-0150-981-000-1
500-020-1867	CA2-0230-389-000-1
500-020-1873	CA4-0200-102-TSD-1
500-020-1879	CA4-0100-102-TSD-1
500-020-1896	CA2-0665-T25-000-1
500-020-1896	CA2-0665-T25-REL-1
500-020-1897	CA2-0500-T25-000-1
500-020-1900	CA2-0300-T25-000-1
500-020-1900	CA2-0300-T25-REL-1
500-020-1901	CA2-0200-T25-000-1
500-020-1902	CA2-0150-T25-000-1
500-020-1903	CA2-0100-T25-000-1
500-020-1904	CA2-0050-T25-000-1
500-020-1916	CA2-0075-399-000-1
500-020-1917	CA2-0050-386-000-1
500-020-1919	CA2-0050-274-000-1
500-020-1936	CA4-0015-855-000-1
500-020-1937	CA4-0050-855-000-1
500-020-1938	CA1-0220-S08-C00-1
500-020-1983	WIR-3224-1FT-TSD-2
500-020-2009	CA6-0110-801-000-1
500-020-2059	CA2-0400-T25-000-1
500-020-2059	CA2-0400-T25-REL-1
500-020-2066	CA2-0150-274-000-1
500-020-2067	CA2-0150-386-000-1
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500-020-2105	CA2-0025-776-000-1
500-020-2108	CA6-0150-768-000-1
500-020-2111	CA4-0025-878-000-1
500-020-2112	CA4-0100-878-000-1
500-020-2118	CA1-0120-032-735-1
500-020-2123	CA4-0200-104-000-1
500-020-2124	CA1-0100-S08-735-1
500-020-2138	CA1-0065-S08-C00-1
500-020-2171	CA6-0060-560-000-1
500-020-2172	CA6-0065-560-000-1
500-020-2176	CA2-0175-399-000-1
500-020-2177	CA2-0120-274-000-1
500-020-2178	CA2-0120-386-000-1
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500-020-2297	CA6-0100-741-000-1
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500-020-2303	CA6-0050-745-000-1
500-020-2305	CA6-0100-745-000-1
500-020-2308	CA2-0350-T25-000-1
500-020-2310	CA1-0075-07Z-735-1
500-020-2311	CA1-0050-07Z-735-1
500-020-2316	CA2-0100-746-000-1
500-020-2320	CA4-0060-A05-000-1
500-020-2324	CA4-0100-A06-000-1
500-020-2328	CA4-0030-A06-000-1
500-020-2330	CA4-0050-A06-000-1
500-020-2332	CA4-0060-A06-000-1

500-020-2334	CA4-0080-A06-000-1
500-020-2343	CA4-0150-A05-000-1
500-020-2345	CA4-0030-A05-000-1
500-020-2348	CA4-0050-A05-000-1
500-020-2349	CA2-0000-A05-000-1
500-020-2358	CA2-0100-R86-000-1
500-020-2361	CA2-0250-R86-000-1
500-020-2363	CA2-0300-R86-000-1
500-020-2364	CA2-0400-R86-000-1
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500-020-2383	CA6-0050-A07-000-1
500-020-2384	CA6-0150-A07-000-1
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500-020-2387	CA6-0400-A07-000-1
500-020-2398	CA2-0075-274-000-1
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500-020-2414	CA4-0050-280-000-1
500-020-2415	CA6-0025-376-000-1
500-020-2418	CA2-0050-807-000-1
500-020-2436	CA6-0015-757-000-1
500-020-2437	CA6-0075-813-000-1
500-020-2441	CA6-0050-817-000-1
500-020-2442	CA6-0150-753-000-1
500-020-2460	CA6-0100-747-000-1
500-020-2463	CA2-0050-981-000-1
500-020-2464	CA6-0065-983-000-1
500-020-2465	CA2-0150-714-000-1
500-020-2467	CA6-0035-715-000-1
500-020-2469	CA6-0050-717-000-1
500-020-2470	CA6-0050-729-000-1
500-020-2471	CA6-0035-782-000-1
500-020-2481	WIR-8890-1FT-000-2
500-020-2527	CA6-0005-808-000-1
500-020-2554	CA4-0075-R88-000-1
500-020-2556	CA6-0120-560-000-1
500-020-2581	CA6-0050-768-000-1
500-020-2592	CA1-0100-X61-735-1
500-020-2594	CA6-0003-723-000-1
500-020-2595	CA6-0003-754-000-1
500-020-2596	CA6-0100-717-000-1
500-020-2599	CA6-0015-819-000-1
500-020-2600	CA6-0130-985-000-1
500-020-2602	CA6-0133-768-000-1
500-020-2693	CA2-0075-523-000-1
500-020-2704	CA1-0150-X19-735-1
500-020-2705	CA1-0050-X19-735-1
500-020-2712	CA2-0070-386-000-1
500-020-2713	CA2-0070-274-000-1
500-020-2724	TSI-2450-003-000-2
500-020-2727	CA1-0100-X25-735-1
500-020-2735	CA4-0225-827-000-1
500-020-2742	CA2-0150-740-000-1
500-020-2743	CA2-0150-744-000-1
500-020-2744	CA2-0150-742-000-1
500-020-2760	CA4-0150-102-T00-2
500-020-2765	CA4-0150-343-000-1
500-020-2766	CA2-0100-434-000-1
500-020-2771	CA4-0200-364-000-1
500-020-2778	CA1-0075-X52-C00-1
500-020-2779	CA1-0100-X52-C00-1
500-020-2784	CA4-0050-101-TSD-1
500-020-2785	CA1-0050-X54-735-1
500-020-2786	CA1-0025-X54-735-1
500-020-2787	CA6-0125-656-000-1
500-020-2791	CA6-0100-782-000-1
500-020-2792	CA6-0050-715-000-1
500-020-2793	CA6-0025-714-000-1
500-020-2794	CA4-0025-131-DSC-1
500-020-2795	CA4-0050-131-DSC-1
500-020-2796	CA4-0075-131-DSC-1
500-020-2797	CA1-0050-131-DSC-1
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500-020-2805	CA2-0100-J77-000-1
500-020-2807	CA2-0150-J77-000-1
500-020-2812	CA2-0075-J97-000-1
500-020-2813	CA2-0100-J97-000-1
500-020-2815	CA2-0150-J97-000-1
500-020-2822	CA4-0175-102-TSD-1
500-020-2830	CA4-0025-274-000-1

500-020-2832	CA2-0125-274-000-1
500-020-2834	CA2-0175-274-000-1
500-020-2835	CA2-0200-274-000-1
500-020-2838	CA2-0075-386-000-1
500-020-2840	CA2-0125-386-000-1
500-020-2842	CA2-0175-386-000-1
500-020-2843	CA2-0200-386-000-1
500-020-2846	CA4-0075-281-000-1
500-020-2847	CA4-0100-281-000-1
500-020-2849	CA4-0175-281-000-1
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500-020-2857	CA6-0075-729-000-1
500-020-2858	CA6-0050-714-000-1
500-020-2859	CA6-0100-715-000-1
500-020-2863	CA6-0125-717-000-1
500-020-2864	CA6-0125-715-000-1
500-020-2865	CA6-0060-729-000-1
500-020-2866	CA6-0125-782-000-1
500-020-2878	CA2-0085-746-000-1
500-020-2880	CA6-0085-747-000-1
500-020-2881	CA6-0050-750-000-1
500-020-2885	CA2-0075-434-000-1
500-020-2889	CA2-0125-C35-TSD-1
500-020-2890	CA4-0100-294-000-1
500-020-2897	CA4-0225-102-TFT-1
500-020-2899	CA2-0100-C17-000-1
500-020-2901	CA1-0175-X25-735-1
500-020-2905	CA4-0325-364-00

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 500-060-3983
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 500-060-4036
 500-060-5911
 500-060-5915
 500-060-5916
 500-060-5917
 LCP-612XXX
 LCP-616XXX
 LCP-642XXX
 LCP-646XXX
 LCP-817XXX
 LCP-827XXX
 LCP-847XXX
 LCP-851XXX

CSI Technologies
 CA6-0150-714-000-1
 CA4-0075-856-000-1
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 NT4K86CA CA6-0100-77R-000-1

CSI Technologies

CA1-0400-W12-C01-1
 CA1-0400-W12-C00-1
 CA1-0350-W12-C08-1
 CA1-0350-W12-C06-1
 CA1-0350-W12-C05-1
 CA1-0350-W12-C04-1
 CA1-0350-W12-C02-1
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 CA1-0100-Z42-C00-1
 CA1-0075-Z42-C08-1
 CA1-0075-Z42-C06-1
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 CA1-0075-Z42-C02-1
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 CA1-0050-Z42-C08-1
 CA1-0050-Z42-C06-1
 CA1-0050-Z42-C04-1
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 CA1-0050-Z42-C00-1
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 CA1-0025-Z42-C00-1
 CA1-0450-W12-C07-1
 CA1-0450-W12-C06-1
 CA1-0200-Z42-C02-1
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 CA1-0150-Z42-C08-1
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 CA1-0250-Z42-C00-1
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 CA1-0200-Z42-C06-1
 CA1-0200-Z42-C04-1
 CA1-0100-104-PLM-1
 CA4-0100-102-PLM-1
 FOM-8621-151-14A-2
 FOM-0015-151-14A-1
 FOM-0010-111-15A-1
 CA4-0020-353-000-1
 CA4-0200-104-T00-2
 WIR-7155-1FT-PLM-2
 CA1-0150-S01-C07-1
 CA4-0004-62R-000-1
 CA4-0100-63R-000-1
 CA4-0200-63R-000-1
 CA4-0300-63R-000-1
 CA4-0050-63R-000-1
 CA4-0050-102-TFT-1
 CA4-0100-102-TFT-1
 CA4-0150-102-TFT-1
 CA4-0200-102-TFT-1
 CA4-0250-102-TFT-1
 CA4-0300-102-TFT-1
 CA4-0100-79R-000-1
 CA4-0200-79R-000-1
 CA4-0300-79R-000-1
 CA4-0030-79R-000-1
 CA4-0400-79R-000-1
 CA2-0100-64R-000-1
 CA2-0150-64R-000-1
 CA2-0250-64R-000-1
 CA2-0350-64R-000-1
 CA2-0400-64R-000-1
 CA2-0550-64R-000-1
 CA2-0650-64R-000-1
 CA2-0050-64R-000-1
 CA2-0200-64R-000-1
 CA6-0100-77R-000-1

PULSECOM

D-105943-1 CA8-5943-100-000-2
 D-105943-1,2 CA7-0000-K49-000-2
 D-105943-1,2,3 CA7-0000-K03-000-2
 D-105943-1,3 CA7-0000-K47-000-1
 D-105943-2 CA7-0000-K48-000-1
 D-105943-2,3 CA8-5943-200-000-2
 D-105943-3 CA7-0000-K46-000-1
 D-105943-4 CA8-5943-300-000-2
 D-105944-1 CA8-5944-100-000-2
 D-105944-1,2,3 CA7-0000-K69-000-1
 D-105944-1,2,3,4 CA7-0000-K05-000-2
 D-105944-1,2,4 CA7-0000-K68-000-1
 D-105944-1,3,4 CA7-0000-K67-000-1
 D-105944-2 CA8-5944-200-000-2

CSI Technologies

CA6-0050-77R-000-1
 CA6-0200-77R-000-1
 CA2-0100-78R-000-1
 CA2-0050-78R-000-1
 CA2-0200-78R-000-1
 CA2-0300-78R-000-1
 CA2-0600-78R-000-1
 CA6-0015-A32-000-1
 CA6-0060-A32-000-1
 CA6-0060-A32-000-1
 CA6-0120-A32-000-1
 CA6-0300-A32-000-1
 CA2-0049-67R-000-1
 CA2-0148-67R-000-1
 CA2-0246-67R-000-1
 CA2-0345-67R-000-1
 CA2-0400-67R-000-1
 CA2-0546-67R-000-1
 CA2-0643-67R-000-1
 CA2-0024-67R-000-1
 CA2-0095-67R-000-1
 CA2-0197-67R-000-1
 CA2-0300-67R-000-1
 CA2-0390-67R-000-1
 CA2-0497-67R-000-1
 CA2-0591-67R-000-1
 CA6-0049-66R-000-1
 CA6-0148-66R-000-1
 CA6-0345-66R-000-1
 CA6-0446-66R-000-1
 CA6-0024-66R-000-1
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 CA6-0197-66R-000-1
 CA6-0300-66R-000-1
 CA6-0390-66R-000-1
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 CA1-0033-10X-C00-1
 CA1-0066-10X-C00-1
 CA1-0099-10X-C00-1
 CA1-0132-10X-C00-1
 CA1-0164-10X-C00-1
 CA1-0197-10X-C00-1
 CA1-0246-10X-C00-1
 CA1-0263-10X-C00-1
 CA1-0459-10X-C00-1
 CA1-0328-10X-C00-1
 CA4-0006-65R-000-1
 CA4-0016-68R-000-1
 CA4-0066-68R-000-1
 CA4-0016-75R-000-1
 CA4-0066-75R-000-1
 CA4-0004-74R-000-1
 CA4-0017-74R-000-1
 CA4-0032-74R-000-1
 CA4-0001-76R-000-1
 CA4-0016-72R-000-1
 CA4-0066-72R-000-1
 CA4-0016-73R-000-1
 CA4-0066-73R-000-1
 CA4-0016-69R-000-1
 CA4-0066-69R-000-1
 CA4-0016-70R-000-1
 CA4-0066-70R-000-1
 CA4-0016-71R-000-1
 CA4-0066-71R-000-1
 CA4-0016-81R-000-1
 CA4-0066-81R-000-1

CSI Technologies

CA8-5943-100-000-2
 CA7-0000-K49-000-2
 CA7-0000-K03-000-2
 CA7-0000-K47-000-1
 CA7-0000-K48-000-1
 CA8-5943-200-000-2
 CA7-0000-K46-000-1
 CA8-5943-300-000-2
 CA8-5944-100-000-2
 CA7-0000-K69-000-1
 CA7-0000-K05-000-2
 CA7-0000-K68-000-1
 CA7-0000-K67-000-1
 CA8-5944-200-000-2

SIPIRENT

D-105944-2,3,4 D-105944-3
 D-105944-4 D-509646-1
 D-509646-2 D-509646-3
 29B00017 WIR-1022-1FT-RBK-2
 29B00018 WIR-1022-1FT-RBK-2
 7101-48A CA4-0000-N57-48A-1
 7108-36N CA4-0000-C68-TSD-1
 7108-38N CA4-0000-C69-TSD-1
 7108-86B CA4-0000-A42-TSD-1
 7109-34 BRS-0825-263-B55-1
 7110-18A CA4-0000-1R8-TSD-1
 7110-19A CA4-0000-1R9-TSD-1
 7110-20A CA4-0000-2R0-TSD-1
 7112-50 CA4-0000-A40-TSD-1
 7112-99A CA4-0000-18A-000-1
 7113-02A CA4-0000-2R1-TSD-1
 7113-75A CA4-0000-2R2-TSD-1
 7114-87 CA4-0000-A43-TSD-1
 7114-88 CA4-0000-A44-TSD-1
 7121-66P CA4-0000-A38-TSD-1
 7123-98 CA4-0000-C58-TSD-1
 7123-99 CA4-0000-B35-TSD-1
 7124-04 CA4-0000-C57-TSD-1
 7124-05 CA4-0000-C51-TSD-1
 7124-17 CA4-0000-C59-TSD-1
 7124-78A CA4-0000-A37-TSD-1
 7124-81 CA4-0000-XXX-TSD-1
 7124-82 CA4-0000-C62-TSD-1
 7124-82A CA2-0000-C98-TSD-1
 7124-83 CA4-0000-C65-TSD-1
 7124-84 CA4-0000-C64-TSD-1
 7125-58 CA4-0000-B39-TSD-1
 7125-59 CA4-0000-C63-TSD-1
 7125-73 CA4-0000-C80-TSD-1
 7125-78 CA4-0000-C76-TSD-1
 7125-95 CA4-0000-57C-TSD-1
 7125-96A CA2-0000-C96-TSD-1
 7125-97A CA2-0000-C97-TSD-1
 7126-06 CA4-0000-04C-TSD-1
 7126-31A CA4-0000-A75-TSD-1
 7126-43 CA4-0000-12C-TSD-1
 7126-48 CA4-0000-13C-TSD-1
 7126-53A CA2-0000-41C-TSD-1
 7126-91 CA4-0000-56C-TSD-1
 7126-92 CA4-0000-58C-TSD-1
 7127-04A CA4-0000-66C-REV-1
 7127-05A CA4-0000-72C-REV-1
 7127-12A CA4-0000-65C-12A-1
 7127-13A CA4-0000-67C-13A-1
 7127-58 CA4-0000-77C-TSD-1
 7127-77 CA4-0000-68C-TSD-1

TELCO SYSTEMS CSI Technologies

621-DS1-42-120/B2 CA4-0010-R06-000-1
 820-2471-26-180 CA8-0015-R04-000-1
 820-2476-67-120A CA4-0010-R07-000-1
 820-2476-C7-120A CA4-0010-R03-000-1
 820-24FC-33-028/E2 CA4-0002-R01-000-1
 820-24FC-56-024/A CA4-0002-R02-000-1

TELLABS

50.4110 CA4-0010-471-000-2
 50.4110 CA4-0010-488-000-2
 50.8025 CA4-0025-472-000-2
 50.8050 CA4-0050-472-000-2
 50.10XX CA2-0000-428-000-1
 50.163XXX CA4-0000-576-000-1
 50.164XXX CA6-0000-576-000-1
 50.164XXX CA4-0000-721-000-1
 50.181XXX CA6-0000-E18-00R-1
 50.183XXX CA6-0000-E19-00L-1
 50.411X CA4-0000-488-000-1
 50.80XX CA4-0000-472-000-1
 50.81XX CA4-0000-473-000-1
 N/A CA2-0000-T14-000-1

CSI Technologies

CA7-0000-K66-000-1
 CA8-5944-300-000-2
 CA8-5944-400-000-2
 CA8-9646-100-000-2
 CA8-9646-200-000-2
 CA8-9646-300-000-2
 WIR-0399-1FT-ZPR-2
 WIR-1022-1FT-RBK-2
 CA4-0000-N57-48A-1
 CA4-0000-C68-TSD-1
 CA4-0000-C69-TSD-1
 CA4-0000-A42-TSD-1
 BRS-0825-263-B55-1
 CA4-0000-1R8-TSD-1
 CA4-0000-1R9-TSD-1
 CA4-0000-2R0-TSD-1
 CA4-0000-A40-TSD-1
 CA4-0000-18A-000-1
 CA4-0000-2R1-TSD-1
 CA4-0000-2R2-TSD-1
 CA4-0000-A43-TSD-1
 CA4-0000-A44-TSD-1
 CA4-0000-A38-TSD-1
 CA4-0000-C58-TSD-1
 CA4-0000-B35-TSD-1
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 CA4-0000-C51-TSD-1
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 CA4-0000-A37-TSD-1
 CA4-0000-XXX-TSD-1
 CA4-0000-C62-TSD-1
 CA2-0000-C98-TSD-1
 CA4-0000-C65-TSD-1
 CA4-0000-C64-TSD-1
 CA4-0000-B39-TSD-1
 CA4-0000-C63-TSD-1
 CA4-0000-C80-TSD-1
 CA4-0000-C76-TSD-1
 CA4-0000-57C-TSD-1
 CA2-0000-C96-TSD-1
 CA2-0000-C97-TSD-1
 CA4-0000-04C-TSD-1
 CA4-0000-A75-TSD-1
 CA4-0000-12C-TSD-1
 CA4-0000-13C-TSD-1
 CA2-0000-41C-TSD-1
 CA4-0000-56C-TSD-1
 CA4-0000-58C-TSD-1
 CA4-0000-66C-REV-1
 CA4-0000-72C-REV-1
 CA4-0000-65C-12A-1
 CA4-0000-67C-13A-1
 CA4-0000-77C-TSD-1
 CA4-0000-68C-TSD-1

CSI Technologies

CA4-0010-471-000-2
 CA4-0010-488-000-2
 CA4-0025-472-000-2
 CA4-0050-472-000-2
 CA2

TELZON	CSI Technologies	358655	CA2-0150-742-000-1	366198	CA1-0025-X49-735-1	478634	CA1-0150-Y37-C00-1	503364	CA1-0100-Y15-C00-1
485-2064-041	FR-0825-131-103-0	358656	CA2-0150-744-000-1	366199	CA1-0050-X49-735-1	478635	CA1-0200-Y37-C00-1	503365	CA1-0150-Y15-C00-1
485-2164-041	FR-0825-163-349-0	358657	CA2-0075-740-000-1	366200	CA1-0100-X49-735-1	478639	CA1-0150-Y38-C00-1	503366	CA1-0225-Y15-C00-1
485-3064-000	FR-0825-133-303-0	359370	CA2-0004-762-000-2	366201	CA1-0125-X49-735-1	478641	CA1-0250-Y38-C00-1	503367	CA1-0025-Y16-C00-1
485-3064-040	FR-0825-133-303-0	359826	WIR-3222-1FT-TSD-2	366202	CA1-0150-X49-735-1	478642	CA2-0050-399-000-1	503368	CA1-0050-Y16-C00-1
560-1003-341	BRB-0630-193-M10-2	361703	CA1-0150-X30-735-1	366204	CA1-0200-X49-735-1	478643	CA2-0075-399-000-1	503369	CA1-0075-Y16-C00-1
581-2062-341	BRB-0816-131-G29-2	361799	CA2-0250-740-000-1	366205	CA1-0225-X49-735-1	478644	CA2-0100-399-000-1	503370	CA1-0100-Y16-C00-1
582-0000-000	BRB-0832-333-000-0	361814	CA2-0300-746-000-1	366206	CA1-0025-X52-735-1	478645	CA2-0150-399-000-1	503371	CA1-0150-Y16-C00-1
582-0000-040	BRB-0832-333-000-0	361819	CA6-0150-749-000-1	366207	CA1-0050-X52-735-1	478646	CA2-0200-399-000-1	503372	CA1-0225-Y16-C00-1
582-1004-341	BRB-0832-132-056-2	361823	CA6-0003-751-000-1	366208	CA1-0100-X52-735-1	478648	CA6-0050-376-000-1	503373	CA1-0025-Y17-C00-1
582-1004-345	BRB-0832-132-056-2	361825	CA6-0003-752-000-1	366209	CA1-0125-X52-735-1	478649	CA6-0075-376-000-1	503374	CA1-0050-Y17-C00-1
582-1064-301	BRB-0832-133-D03-2	361827	CA6-0150-753-000-1	366210	CA1-0150-X52-735-1	478651	CA6-0150-376-000-1	503375	CA1-0075-Y17-C00-1
582-1064-341	BRB-0832-133-D03-2	361845	CA1-0225-X48-735-1	366211	CA1-0175-X52-735-1	478653	CA6-0250-376-000-1	503376	CA1-0100-Y17-C00-1
582-1064-345	BRB-0832-133-W24-2	361848	CA2-0004-762-000-2	366212	CA1-0200-746-000-2	478648	CA4-0010-280-000-1	503377	CA1-0150-Y17-C00-1
584-2004-045	BRB-0824-134-E00-1	364888	CA1-0015-X36-734-1	366213	CA1-0225-X52-735-1	478649	CA4-0050-280-000-1	503378	CA1-0225-Y17-C00-1
582-2004-301	BRB-0832-133-W24-2	364890	CA1-0050-X36-734-1	366214	CA1-0025-X53-735-1	481233	CA4-0100-280-000-1	503378	CA1-0050-S04-001-1
582-2004-341	BRB-0832-133-C00-2	364894	CA1-0050-X37-734-1	366215	CA1-0050-X53-735-1	481234	CA4-0150-280-000-1	503389	CA1-0100-S04-001-1
582-2064-341	BRB-0832-133-C04-2	364895	CA1-0010-X28-735-1	366216	CA1-0100-X53-735-1	481238	CA2-0100-273-000-1	503390	CA1-0150-S04-001-1
582-2064-345	BRB-0832-133-C04-2	364896	CA1-0015-X28-735-1	366217	CA1-0125-X53-735-1	481239	CA2-0015-497-000-1	503391	CA1-0200-S04-001-1
800-0005-104	CA4-0005-104-000-2	364897	CA1-0025-X28-735-1	366221	CA1-0025-X54-735-1	481247	CA4-0050-281-000-1	503392	CA1-0250-S04-001-1
800-0010-105	CA4-0010-105-000-2	364898	CA1-0050-X28-735-1	366222	CA1-0050-X54-735-1	481248	CA4-0100-281-000-1	503393	CA1-0050-S04-002-1
800-0010-107	CA4-0010-102-T00-2	364899	CA1-0010-X29-735-1	366223	CA1-0100-X54-735-1	481250	CA4-0050-294-000-1	503394	CA1-0100-S04-002-1
800-0015-105	CA4-0015-105-000-2	364900	CA1-0015-X29-735-1	366229	CA1-0050-X55-735-1	481251	CA4-0075-294-000-1	503395	CA1-0150-S04-002-1
800-0020-104	CA4-0020-104-000-2	364901	CA1-0025-X29-735-1	366230	CA1-0100-X55-735-1	481252	CA4-0100-294-000-1	503396	CA1-0200-S04-002-1
800-0025-102	CA4-0025-102-000-2	364902	CA1-0050-X29-735-1	366231	CA1-0125-X55-735-1	481253	CA4-0125-294-000-1	503397	CA1-0250-S04-002-1
800-0025-104	CA4-0025-104-000-2	365225	CA1-0025-X55-735-1	366232	CA1-0200-X55-735-1	481254	CA4-0150-294-000-1	503398	CA1-0050-S04-003-1
800-0030-104	CA4-0030-104-000-2	365226	CA2-0350-740-000-1	366233	CA1-0225-X55-735-1	481255	CA2-0300-399-000-1	503399	CA1-0100-S04-003-1
800-0030-105	CA4-0030-105-000-2	365230	CA2-0250-742-000-1	366369	CA1-0075-X29-735-1	481257	CA1-0100-X40-734-1	503400	CA1-0150-S04-003-1
800-0040-104	CA4-0040-104-000-2	365231	CA2-0250-742-000-1	366370	CA1-0100-X29-735-1	481258	CA1-0150-X40-734-1	503401	CA1-0200-S04-003-1
800-0050-102	CA4-0050-102-000-2	365235	CA2-0250-744-000-1	366373	CA1-0050-X57-735-1	481259	WIR-7350-1FT-000-2	503402	CA1-0250-S04-003-1
800-0050-104	CA4-0050-104-000-2	365236	CA2-0350-744-000-1	366376	CA1-0015-X58-735-1	481261	WIR-7352-1FT-12C-2	503403	CA1-0050-S04-004-1
800-0050-105	CA4-0050-105-000-2	365240	CA2-0150-746-000-1	366379	CA1-0075-X58-735-1	482698	CA1-0050-Y24-C00-1	503404	CA1-0100-S04-004-1
800-0050-106	CA4-0050-101-T00-2	365241	CA2-0250-746-000-1	366380	CA1-0100-X58-735-1	503311	CA1-0003-X27-C00-1	503405	CA1-0150-S04-004-1
800-0050-107	CA4-0050-102-T00-2	365250	CA2-0003-759-000-1	366381	CA1-0015-X59-735-1	503312	CA1-0006-X27-C00-1	503406	CA1-0200-S04-004-1
800-0050-114	CA4-0050-204-000-1	366136	CA1-0015-X30-735-1	366382	CA1-0030-X59-735-1	503313	CA1-0009-X27-C00-1	503407	CA1-0250-S04-004-1
800-0050-115	CA4-0050-205-000-1	366137	CA1-0025-X30-735-1	366383	CA1-0050-X59-735-1	503314	CA1-0012-X27-C00-1	503408	CA1-0050-S04-005-1
800-0050-132	CA4-0050-212-000-1	366138	CA1-0050-X30-735-1	366386	CA1-0015-X60-735-1	503315	CA1-0015-X27-C00-1	503409	CA1-0100-S04-005-1
800-0050-134	CA4-0050-214-000-1	366139	CA1-0075-X30-735-1	366389	CA1-0075-X60-735-1	503316	CA1-0018-X27-C00-1	503410	CA1-0150-S04-005-1
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VERIZON	CSI Technologies								
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VERIZON	CSI Technologies	87210232	CA1-0090-X47-C00-1	87212412	CA1-0300-X41-C00-1	87217344	CA6-0100-819-000-1	87222595	CA1-0050-Y08-C05-1
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VERIZON	CSI Technologie								
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87262892	CA2-0070-744-000-1	87271077	CA2-0060-457-000-1	87272932	CA4-0041-C57-TSD-1	87277121	CA2-009-399-000-1	89005424	CA2-0050-400-000-1
87262897	WIR-1249-1FT-16P-2	87271126	CA1-0030-452-179-1	87272933	CA4-0025-C58-TSD-1	87277670	CA4-0000-C86-007-2	89005425	WIR-0622-MFT-TSD-2
87262994	CA2-0120-746-000-1	87271254	CA1-0033-X44-734-1	87272934	CA4-0025-A38-TSD-1	87277806	CA4-0000-C87-011-2	89005426	WIR-1222-MFT-TSD-2
87262995	CA2-0085-399-000-1	87271459	CA4-0010-105-T00-2	87272936	CA4-0145-1R9-TSD-1	87277998	CA4-0045-1R8-TSD-1	89005573	CA1-0008-X22-734-1
87263051	CA6-0160-801-000-1	87271933	CA6-0030-D53-000-1	87272937	CA4-0145-2R1-TSD-1	87278135	CA6-0005-0R2-000-1	89005675	CA2-0075-400-000-1
87263052	CA4-0007-394-000-1	87271936	CA6-0030-D51-000-1	87272938	CA4-0095-1R9-TSD-1	87278317	CA7-4007-K92-050-2	89005714	WIR-3022-1FT-TSD-2
87263219	WIR-1249-1FT-25P-2	87271937	CA6-0030-D52-000-1	87272939	CA4-0095-2R1-TSD-1	87278319	CA7-4116-K93-050-2	89005715	WIR-2522-MFT-TSD-2
87263355	CA6-0075-G27-000-1	87271945	CA4-0020-C65-TSD-1	87272944	CA1-0150-Y63-735-1	87278320	CA7-4007-K90-100-2	89005735	CA4-0010-102-TSD-1
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87263572	CA2-0050-277-000-1	87271976	CA4-0022-C65-TSD-1	87273151	CA4-0175-1R9-TSD-1	87278411	CA7-0075-K22-000-1	89005838	CA1-0040-X43-734-1
87263573	CA4-0000-278-000-1	87271984	CA4-0024-C65-TSD-1	87273152	CA4-0175-2R1-TSD-1	87278658	FMR-26-801-030-F	89005845	CA4-0120-104-000-2
87263577	CA4-0000-386-000-1	87271986	CA4-0026-C65-TSD-1						