OCC
CONNECTIONS YOU CAN COUNT ON. ™

OIL & GAS SOLUTIONS
PRODUCT GUIDE

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> MODULAR ADVANCED REEL SYSTEM (MARS™)

Global demand for oil, gas and petroleum-based products has reached record levels. OCC's harsh environment solutions for Oil and Gas applications provide consistent communication architectures based on high-quality products that boost reliability, availability, and performance, throughout the entire life cycle of an asset. Developed on OCC's experience with extreme environments and our history of exceptional performance, our integrated solutions support DCS/PLC automation/control architectures, SCADA systems, CCTV /IPTV/CATV networks and numerous other applications essential to the oil and gas industry.

FIBER OPTIC CONNECTORS

These hermaphroditic (genderless) fiber optic connectors offer a wide variety of connectivity solutions suitable for harsh environments. Available from 2-48 channel configurations and multiple plating options. Compatible in all OCC assemblies.

COTS M83526 (TFOCA-II®) CONNECTORS (UP TO 12 CH)

This tactical fiber optic connector is the standard connector for the US DoD and can be used in any deployable application. Available in either 4- or 12-channel shell size configurations.

TFOCA-II® is a trademark from Amphenol Fiber Systems International

EZ-MATE™ CONNECTORS (UP TO 24CH)

The OCC EZ-MATE family of connectors provides a comprehensive solution for quick mating in a tactical footprint. Available in 4-, 6-, 12- or 24-channel configurations.

MHC®-T3 CONNECTOR (UP TO 48 CH)

OCC's patented MHC-T3 is the next generation in compact, high-density, fiber optic connectors. Utilizing MT ferrule technology, the MHC-T3 can deliver up to 48 single-mode or multimode fibers in an environmentally-protected, hermaphroditic connector with a smaller footprint than traditional cylindrical connectors.

HYBRID (FIBER & ELECTRIC) CONNECTORS

Combining fiber optic and electrical power in one connector, OCC hybrid connectors offer a cost effective solution suitable for harsh environments. Compatible in all OCC assemblies.

F-LINK™ CONNECTOR (UP TO 33 CH)

F-LINK™ fiber optic termini are designed to provide exceptional optical performance using 1.25mm ceramic ferrule technology while delivering cost effective solutions. The termini are designed to the same mating plane as MIL-DTL-38999 electrical pin and socket contacts, enabling application of popular M39029 electrical contacts.

MHC®-T2 CONNECTOR (UP TO 8 CH)

OCC's MHC-T2 is the next generation in tactical single terminus connectors. Due to the small form factor, it allows for reduced weight and size while maintaining a rugged connection. Available in 2-, 4-, 6-, and 8-channels. Fiber/copper configurations available in 8 channel shell size.

EZ-MATE™ HYBRID CONNECTOR (12 CH)

OCC's EZ-H is a servere-duty 12-channel hybrid connector. This connector combines power and communication into a single connector. Includes 8 fiber optic termini and (4) 12 AWG electrical contacts.

OFFSHORE FIBER OPTIC CABLES

DX-SERIES DISTRIBUTION LSZH ABS-APPROVED CABLE

FIBER COUNT	SINGLE MODE	OM1	OM3	OM4
4	DX004ZSLX9KE-FABS	DX004ZWLS9KE-FABS	DX004ZALTS9KE-FABS	DX004ZALE9KE-FABS
6	DX006ZSLX9KE-FABS	DX006ZWLS9KE-FABS	DX006ZALTS9KE-FABS	DX006ZALE9KE-FABS
12	DX012ZSLX9KE-FABS	DX012ZWLS9KE-FABS	DX012ZALTS9KE-FABS	DX012ZALE9KE-FABS
24	DX024ZSLX9KE-FABS	DX024ZWLS9KE-FABS	DX024ZALTS9KE-FABS	DX024ZALE9KE-FABS

DX-SERIES DISTRIBUTION BRAIDED-ARMOR LSZH ABS-APPROVED CABLE

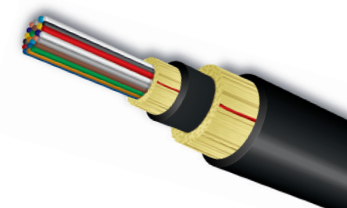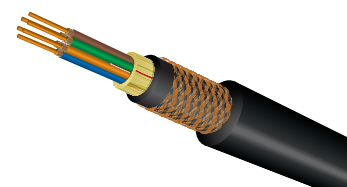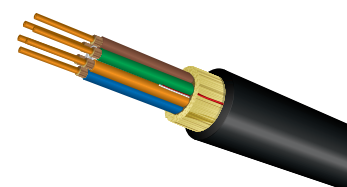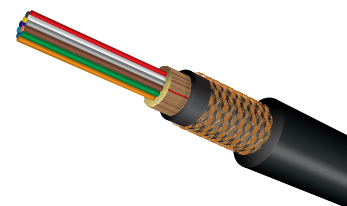| FIBER COUNT	SINGLE MODE	OM1	OM3	OM4
4	DX004ZSLX9KAB2-FABS	DX004ZWLS9KAB2-FABS	DX004ZALTS9KAB2-FABS	DX004ZALE9KAB2-FABS
6	DX006ZSLX9KAB2-FABS	DX006ZWLS9KAB2-FABS	DX006ZALTS9KAB2-FABS	DX006ZALE9KAB2-FABS
12	DX012ZSLX9KAB2-FABS	DX012ZWLS9KAB2-FABS	DX012ZALTS9KAB2-FABS	DX012ZALE9KAB2-FABS
24	DX024ZSLX9KAB2-FABS	DX024ZWLS9KAB2-FABS	DX024ZALTS9KAB2-FABS	DX024ZALE9KAB2-FABS

BX-SERIES BREAKOUT LSZH ABS-APPROVED CABLE

FIBER COUNT	SINGLE MODE	OM1	OM3	OM4
4	BX004ZSLA9KE-FABS	BX004ZWLS9KE-FABS	BX004ZALTS9KE-FABS	BX004ZALE9KE-FABS
6	BX006ZSLA9KE-FABS	BX006ZWLS9KE-FABS	BX006ZALTS9KE-FABS	BX006ZALE9KE-FABS
12	BX012ZSLA9KE-FABS	BX012ZWLS9KE-FABS	BX012ZALTS9KE-FABS	BX012ZALE9KE-FABS
24	BX024ZSLA9KE-FABS	BX024ZWLS9KE-FABS	BX024ZALTS9KE-FABS	BX024ZALE9KE-FABS

BX-SERIES BREAKOUT BRAIDED-ARMOR LSZH ABS-APPROVED CABLE

FIBER COUNT	SINGLE MODE	OM1	OM3	OM4
4	BX004ZSLA9KAB2-FABS	BX004ZWLS9KAB2-FABS	BX004ZALTS9KAB2-FABS	BX004ZALE9KAB2-FABS
6	BX006ZSLA9KAB2-FABS	BX006ZWLS9KAB2-FABS	BX006ZALTS9KAB2-FABS	BX006ZALE9KAB2-FABS
12	BX012ZSLA9KAB2-FABS	BX012ZWLS9KAB2-FABS	BX012ZALTS9KAB2-FABS	BX012ZALE9KAB2-FABS
24	BX024ZSLA9KAB2-FABS	BX024ZWLS9KAB2-FABS	BX024ZALTS9KAB2-FABS	BX024ZALE9AKB2-FABS

DNV-CERTIFIED SHIPBOARD CABLE

FIBER COUNT	SINGLE MODE	OM1	OM3
2	OC031016-17	OC031016-13	OC031016-15
4	OC031016-05	OC031016-01	OC031016-03
6	OC031016-11	OC031016-07	OC031016-09
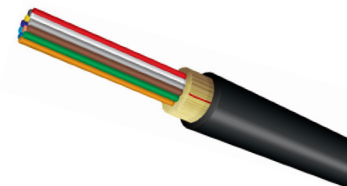
LAND BASED FIBER OPTIC CABLES

D-SERIES DISTRIBUTION MIL-TAC CABLE

HEAVY-DUTY, FIBER OPTIC GROUND-TACTICAL CABLE THAT IS IDEAL FOR USE IN HARSH ENVIRONMENTS				
FIBER COUNT	**SINGLE MODE**	**OM1**	**OM3**	**OM4**
4	D-004CSLS5KM	D-004CWST5KM	D-004CALT5KM	D-004CALE5KM
6	D-006CSLS5KM	D-006CWST5KM	D-006CALT5KM	D-006CALE5KM
12	D-0012CSLS5KM	D-012CWST5KM	D-012CALT5KM	D-012CALE5KM
24	D-0024CSLS5KM	D-024CWST5KM	D-024CALT5KM	D-024CALE5KM

B-SERIES BREAKOUT MIL-TAC CABLE

EXTREMELY STRONG, LIGHTWEIGHT, AND RUGGED TIGHT-BUFFERED CABLES DESIGNED FOR LAND BASE OPERATIONS				
FIBER COUNT	**SINGLE MODE**	**OM1**	**OM3**	**OM4**
4	B-004CSLS5KM	B-004CWST5KM	B-004CALT5KM	B-004CALE5KM
6	B-006CSLS5KM	B-006CWST5KM	B-006CALT5KM	B-006CALE5KM
12	B-0012CSLS5KM	B-012CWST5KM	B-012CALT5KM	B-012CALE5KM
24	B-0024CSLS5KM	B-024CWST5KM	B-024CALT5KM	B-024CALE5KM

B-SERIES BREAKOUT TACTICAL BRAIDED CABLE

EXTREMELY STRONG, LIGHTWEIGHT, AND RUGGED TIGHT-BUFFERED CABLES DESIGNED FOR LAND BASE OPERATIONS				
FIBER COUNT	**SINGLE MODE**	**OM1**	**OM3**	**OM4**
4	B-004VSLS5KAB3	B-004VWST5KAB3	B-004VALT5KAB3	B-004VALE5KAB3
6	B-006VSLS5KAB3	B-006VWST5KAB3	B-006VALT5KAB3	B-006VALE5KAB3
12	B-0012VSLS5KAB3	B-012VWST5KAB3	B-012VALT5KAB3	B-012VALE5KAB3
24	B-0024VSLS5KAB3	B-024VWST5KAB3	B-024VALT5KAB3	B-024VALE5KAB3

FIBER OPTIC TRAY CABLES

B-SERIES TRAY RATED CABLE WITH PVC JACKET

EXTREMELY STRONG, LIGHTWEIGHT, AND RUGGED TIGHT-BUFFERED CABLES DESIGNED FOR LAND BASE OPERATIONS				
FIBER COUNT	**SINGLE MODE**	**OM1**	**OM3**	**OM4**
4	BX004DSLA9KR	BX004DWLS9KR	BX004DALT9KR	BX004DALE9KR
6	BX006DSLA9KR	BX006DWLS9KR	BX006DALT9KR	BX006DALE9KR
12	BX012DSLA9KR	BX012DWLS9KR	BX012DALT9KR	BX012DALE9KR
24	BX024DSLA9KR	BX024DWLS9KR	BX024DALT9KR	BX024DALE9KR

HC SERIES TRAY RATED CABLE WITH PVC JACKET

EXTREMELY STRONG, LIGHTWEIGHT, AND RUGGED TIGHT-BUFFERED CABLES DESIGNED FOR LAND BASE OPERATIONS				
FIBER COUNT	**SINGLE MODE**	**OM1**	**OM3**	**OM4**
24	HC024DSLACKR	HC024DWLSCKR	HC024DALTCKR	HC024DALECKR
48	HC048DSLACKR	HC048DWLSCKR	HC048DALTCKR	HC048DALECKR
96	HC096DSLACKR	HC096DWLSCKR	HC096DALTCKR	HC096DALECKR
144	HC144DSLACKR	HC144DWLSCKR	HC144DALTCKR	HC144DALECKR
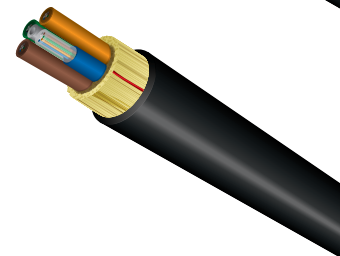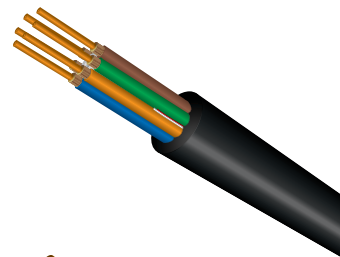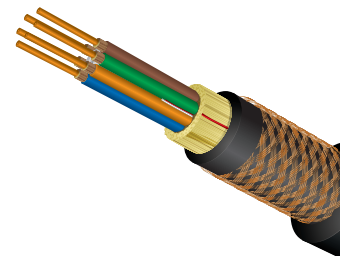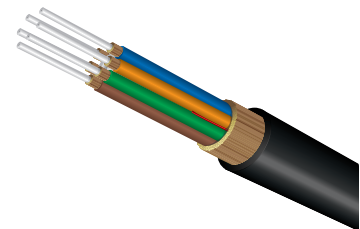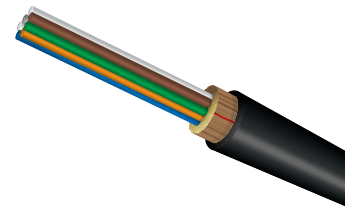
MODULAR ADVANCED REEL SYSTEM (MARS™)

MARS™ REEL

OCC's Modular Advanced Reel System (MARS) is a lightweight, modular system that is easily transported. It is ideal for applications where cable needs to be deployed, reeled in quickly, and stored efficiently. OCC MARS reels were tested and approved to the US Army CECOM specification A336463A and, have been named as the preferred reel for US Army applications.

DESCRIPTION	OCC PART #
ACR/ AFO 100 METER CAPACITY	CALL OCC SALES FOR MORE INFORMATION
ACR/ AFO 300 METER CAPACITY	CALL OCC SALES FOR MORE INFORMATION
ACR/ AFO 500 METER CAPACITY	CALL OCC SALES FOR MORE INFORMATION
ACR/ AFO 750 METER CAPACITY	CALL OCC SALES FOR MORE INFORMATION
ACR/ AFO 1000 METER CAPACITY	CALL OCC SALES FOR MORE INFORMATION
ACR/ AFO 1250 METER CAPACITY	CALL OCC SALES FOR MORE INFORMATION

All ACR & AFO reels are available to order with multiple color, integrated reel cleaning kit options, and axle types. Contact the OCC Sales Team at 1-800-622-7711 for more information.

MARS™ TRIPOD

OCC's Tripod Design allows for disassembly into three components for easy shipping and storage. Pin latches are tethered to base and lock into place. Axles are easily interchanged and available in 100M, 300M, and 500M sizes. The axle latch can easily be positioned to retain or remove the reel.

DESCRIPTION	OCC PART #
TRIPOD FOR 100M REEL WITHOUT BRAKE	ART-0100-X-X-Y
TRIPOD FOR 300M REEL WITHOUT BRAKE	ART-0300-X-X-Y
TRIPOD FOR 500M REEL WITHOUT BRAKE	ART-0500-X-X-Y
TRIPOD FOR 100M REEL WITH BRAKE	ATB-0100-X-X-Y
TRIPOD FOR 300M REEL WITH BRAKE	ATB-0300-X-X-Y
TRIPOD FOR 500M REEL WITH BRAKE	ATB-0500-X-X-Y

Replace "Y" with Color Code: B = Black, G = Green, T = Desert Tan

MARS™ T-FRAME

OCC's T-Frame design contains all benefits of the MARS design. Integrated brake adjusts the drag applied to the reel, which prevents over-spin.

DESCRIPTION	OCC PART #
T-FRAME WITH BRAKE FOR 500M	ABF-0500-X-X-Y
T-FRAME WITH BRAKE FOR 750M	ABF-0750-X-X-Y
T-FRAME WITH BRAKE FOR 1000M	ABF-1000-X-X-Y
T-FRAME, WITHOUT BRAKE FOR 500M	ARA-0500-X-X-Y
T-FRAME, WITHOUT BRAKE FOR 750M	ARA-0750-X-X-Y
T-FRAME, WITHOUT BRAKE FOR 1000M	ARA-1000-X-X-Y
T-FRAME, WITHOUT BRAKE FOR 1250M	ARA-1250-X-X-Y

Replace "Y" with Color Code: B = Black, G = Green, T = Desert Tan

FIBER ASSEMBLIES

OCC offers standard and made-to-order tactical assemblies. Harsh environment connectivity options include COTS-M83526, EZ-MATE, Expanded Beam, MHC®-T2, MHC®-T3, Pierside, and L-Jack™ connectors. OCC can assist in designing your end-to-end assembly solution and we also offer swift Repair & Restoration services.

DEPLOYABLE CABLE ASSEMBLIES WITH DISCRETE CONNECTORS

DESCRIPTION	OCC PART #
LC, SC, ST, FC, MTP-MPO & CUSTOM CONFIGURATIONS	CALL OCC SALES FOR MORE INFORMATION

DEPLOYABLE IP68 RATED LC CABLE ASSEMBLIES

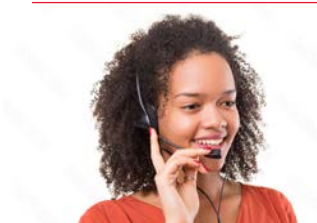| DESCRIPTION	OCC PART #
L-JACK™, 2CH IP68 BLACK ANODIZE LC PLUG/LC PLUG, MARS™ REEL (MM-LC/UPC, SM-LC/APC)	CALL OCC SALES FOR MORE INFORMATION

HERMAPHRODITIC PLUG & RECEPTACLE CABLE ASSEMBLIES

DESCRIPTION	OCC PART #
CUSTOM CABLES ASSEMBLIES FOR ALL APPLICATIONS USING COTS 83526 (TFOCA-II®), EZ-MATE, MHC®-T2, MHC®-T3, EXPANDED BEAM & MULTIPLE OTHER CONNECTORS. CHANNEL COUNTS RANGE FROM 2-48 CH DEPENDING ON CONNECTOR CHOICE	CALL OCC SALES FOR MORE INFORMATION
RECEPTACLE ASSEMBLIES AVAILABLE TO MATE WITH ABOVE PLUG ASSEMBLIES	CALL OCC SALES FOR MORE INFORMATION

TFOCA-II® is a trademark from Amphenol Fiber Systems International

CALL THE OCC SALES TEAM TODAY
800-622-7711

NEMA 4X ENCLOSURES

DESCRIPTION	OCC PART #
NEMA 4X ENCLOSURE, 12-PORT, HOLDS 2 ADAPTER PLATES	OCO12NX
NEMA 4X ENCLOSURE, 12-PORT PATCH/SPLICE BLOCK	OCO12NXSB
NEMA 4X ENCLOSURE, 12-FIBER SPLICE ONLY	OCO12NXS
NEMA 4X ENCLOSURE, PATCH AND SPLICE, HOLDS 8 ADAPTER PLATES	OCO48NX
NEMA 4X ENCLOSURE, PATCH AND SPLICE, INCLUDES 1-W48S KIT (2–24 FIBER SPLICE TRAYS, TRANSITION TRAYS, MOUNTING HARDWARE, CABLE MANAGEMENT, AND PORT IDENTIFICATION)	OCO48NXS

NEMA 4X Enclosures are customizable and can be ordered with pre-installed connector assemblies. Contact the OCC Sales Team for more information.

WALL MOUNT FIBER ENCLOSURES

DESCRIPTION	OCC PART #
WALL MOUNT CABINET, 12- OR 24-PORT, HOLDS UP TO 4 ADAPTER PLATES (2 BLANK PLATES INCLUDED FOR 12-PORT APPLICATIONS), 13"H X 12"W X 3.5"D	WTC12/24B
WALL MOUNT CABINET, 48-PORT, HOLDS UP TO 8 ADAPTER PLATES, 13"H X 17"W X 5.5"D	WTC48B
ZONE DISTRIBUTION ENCLOSURE, 6-PORT (EMPTY) 7"W X 6"H X 1.92"D	ZDMBC1AP
WALL MOUNT SPLICE KIT FOR WTC12/24X CABINET, 24-FIBER SPLICE TRAY	W24PT
WALL MOUNT SPLICE KIT FOR 48-FIBER SPLICES	W48S

RACK MOUNT FIBER DISTRIBUTION ENCLOSURES

DESCRIPTION	OCC PART #
FIBER ENCLOSURE, RACK MOUNT, 1RU, 3 ADAPTER PLATES, BLACK	RTC1U-3APB
FIBER ENCLOSURE, RACK MOUNT, 2RU, 6 ADAPTER PLATES, BLACK	RTC2U-6APB
FIBER ENCLOSURE, RACK MOUNT, 4RU, 12 ADAPTER PLATES, BLACK	RTC4U-12APB
RACK MOUNT SPLICE TRAY KIT, (2) SPLICE TRAYS, FOR USE WITH RTC/RTS1U	RS1U2T
RACK MOUNT SPLICE TRAY KIT, (4) SPLICE TRAYS, FOR USE WITH RTC/RTS2U	RS2U4T

DIN RAIL SYSTEM ENCLOSURES

DESCRIPTION	OCC PART #
ENCLOSURE, ACCOMMODATES 1 ADAPTER PLATE, CABLE ENTRY GROMMET, BLACK, EMPTY	DTC1AP
ENCLOSURE, ACCOMMODATES 2 ADAPTER PLATES, CABLE ENTRY GROMMET, BLACK, EMPTY	DTC2AP
ENCLOSURE, ACCOMMODATES 1 ADAPTER PLATE, LIQUID TIGHT CABLE GLAND, BLACK, EMPTY	DTC1APG
ENCLOSURE, ACCOMMODATES 2 ADAPTER PLATES, LIQUID TIGHT CABLE GLAND, BLACK, EMPTY	DTC2APG

CUSTOMER SUPPORT & WARRANTY INFORMATION

TECHNICAL AND DESIGN-BUILD EXPERTISE

Instead of relying on OCC just for products, more and more of our customers rely on our design-build expertise. Our design engineers and technical staff provide unprecedented service, support, and assistance.

ONE-STOP SHOP

Since we provide one of the largest network-solutions portfolios in the industry, many of our customers rely on OCC as their one-source solutions provider. From the most reliable end-to-end cabling and connectivity systems, down to the shortest patch cable, we can meet your every network need.

CUSTOMER-DERIVED INNOVATIONS

We partner with you, our customer, and listen to your needs. Thanks to our customers, we've designed, innovated, and customized some of the best solutions in the industry, providing the speed, immediate scalability, space savings, and ultra-high performance demanded by zero-downtime networks of all sizes.

COMPETITIVE WARRANTY PROGRAMS

OCC, in conjunction with certified Multimedia Design and Integration Specialist (MDIS) installers around the world, is able to offer various competitive warranty and extended warranty programs. OCC has developed warranty plans that offer a flexible approach to long-lasting network installations.

QUICK SHIPPING

FAST AS FIBER

24 HR QUICK TURNAROUND

SAME DAY SHIPPING ON IN-STOCK ITEMS IF ORDERED BY 12PM, EST.

OCC ROANOKE, VA

Corporate Headquarters and Fiber Optic Cable Manufacturing Facility
5290 Concourse Drive
Roanoke, VA 24019 USA
540.265.0690 or **800.622.7711**

OCC DALLAS, TX

Harsh Environment and Specialty Connectivity Manufacturing Facility
1700 Capital Avenue, Suite 150
Plano, TX 75074 USA
972.509.1500 or **877.509.1500**

OCC ASHEVILLE, NC

Enterprise Connectivity Manufacturing Facility
33 Superior Way
Swannanoa, NC 28778 USA
828.298.2260 or **800.880.7674**

VISIT US AT OCCFIBER.COM