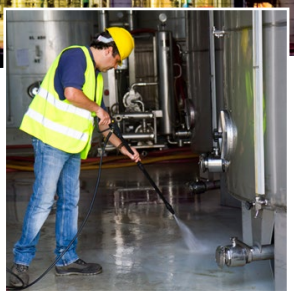
Prysmian Group

AIRGUARD™ CATALOG

Low and Medium Voltage Cable Products and Accessories



PRYSMIAN

Draka

VISION

We believe in the effective, efficient and sustainable supply of energy and information as a primary driver in the development of communities

MISSION

We provide our customers around the world with superior cable solutions based on state-of-the-art technology and consistent excellence in execution, ultimately delivering sustainable growth and profit

VALUES

INTEGRITY

We uphold the highest standards of integrity in our actions

EXCELLENCE

Every day, we relentlessly pursue excellence in all we do

UNDERSTANDING

We listen closely to our customers to really understand their needs

Table of Contents

Prysmian Group

INTRODUCTION

Today's customers are looking for solutions to the ever-growing demands before them including reduced construction and installation costs, and improved reliability and safety levels for man and machine. Prysmian's AIRGUARD™ cable is making that happen today. Yesterday's metallic armored cable technology is a hindrance to meeting the installation efficiencies and safety levels that customers require today. It is no longer necessary to schedule crews for several hours to make a splice or motor termination, AIRGUARD connections are performed in minutes, not hours. AIRGUARD's polymeric armor makes the need for power tools and knives a thing of the past while insuring a faster and more reliable cable installation.

The Prysmian AIRGUARD polymeric armored cable solution completely eliminates the need for outdated interlocked and continuously corrugated and welded cables as it is now available in High Voltage, Medium Voltage, Low Voltage, Instrumentation and Fiber Optic cable constructions. The combination of AIRGUARD cable and Prysmian's extensive offering of terminations, splices, cable glands and tools provides a turnkey system and makes Prysmian the right choice for the demands of today.

APPLICATIONS:

- ARTIFICIAL LIFT
- CHEMICALS
- CHEMICAL WASHDOWN
- DRILLING
- FOOD INDUSTRY
- FRACKING
- MINING
- OFFSHORE PRODUCTION PLATFORM
- PETROCHEMICALS
- PIPELINE
- PULP & PAPER
- PUMPING STATION
- REFINING
- STEEL
- TANK BATTERY

Low Voltage AIRGUARD™ Cables

Cable solutions to support OGP, Mining, Food Processing, and other industries around the world

Prysmian's state-of-the-art cable systems support many major customer's applications include drilling, extraction and storage equipment, platform and processing facilities operation, refining, petrochemicals, and mining.

Our cable solutions minimize harsh environmental impact and achieve sustainable, profitable growth.

Low Voltage AIRGUARD™ Overview

Prysmian's Low Voltage AIRGUARD™ Power Cables are primarily designed for applications in environments found in heavy industrial and offshore markets. Its rugged polymeric AIR BAG™ armor and chemical barrier protection package makes it the ideal cable choice for tough harsh environmental conditions. AIRGUARD provides the solution to the deficiencies often encountered with MC-HL cables including armor breakage encountered during installation and in applications requiring recurring bending after installation (as is typical during scheduled maintenance and calibration of controls and instrumentation), as well as poor performance in areas of high vibration (e.g. motor connections). AIRGUARD also provides a safer alternative to MC-HL due to its "No Knife/No Saw preparation. Installation cost is reduced as bulky, expensive metallic armor grounding glands are not required.

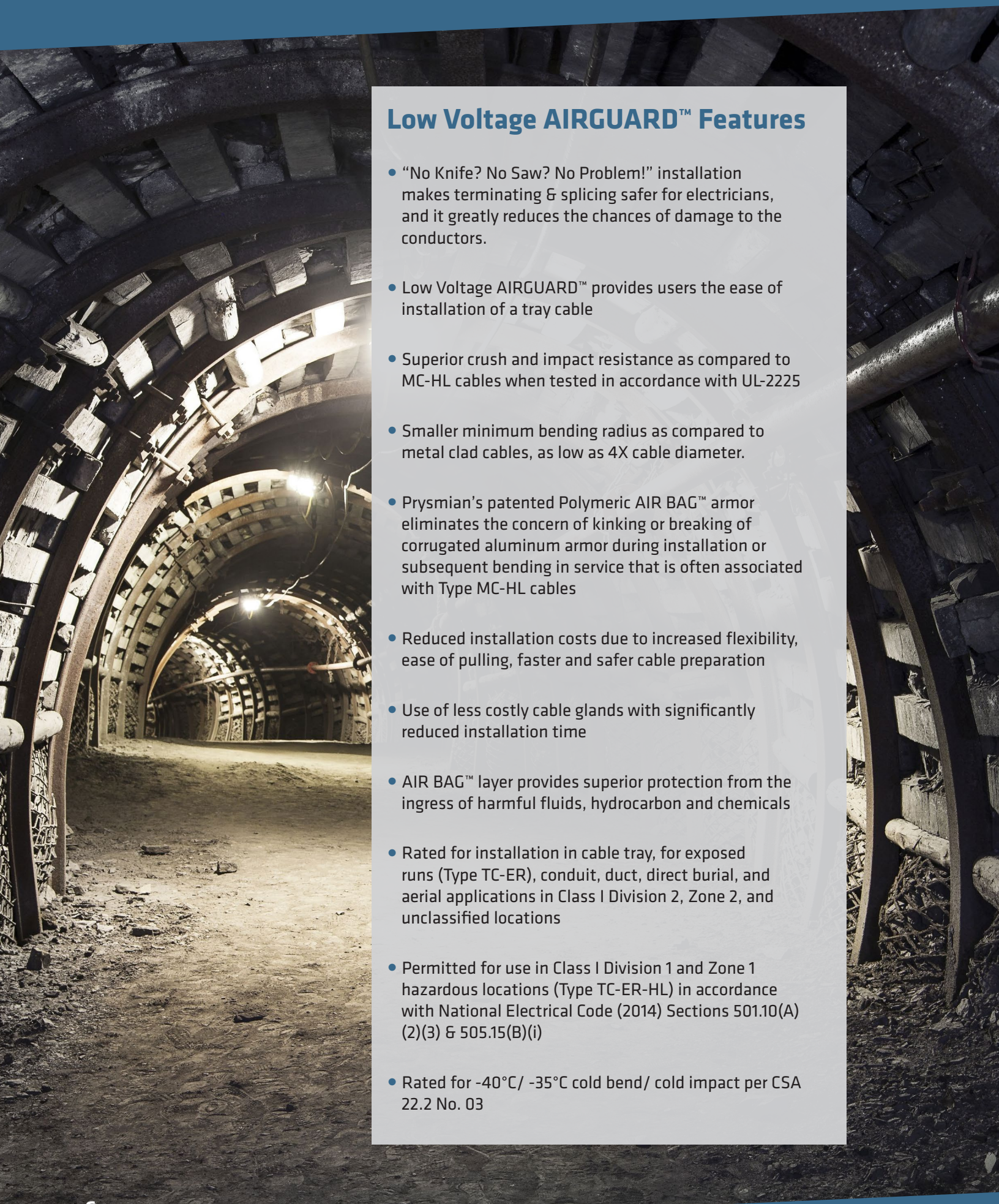
Low Voltage AIRGUARD has been designed to reduce installation costs in the field while improving the overall cable performance as compared to Type MC and MC-HL alternatives, which can often be costly, time consuming, and difficult to install.

Low Voltage AIRGUARD is rated for installations in cable tray for exposed runs (Type TC-ER), conduit, and direct burial. It significantly exceeds the stringent crush and impact resistance of UL 2225 for MC-HL cables and is permitted for use in Class I Division 1 and Zone 1 hazardous locations (TC-ER-HL) in accordance with National Electrical Code (2014) Sections 501.10(A)(2)(3) and 505.15(B)(i). Prysmian's patented AIRGUARD design affords far greater protection against water ingress and chemical attack than traditional MC Armored Cables. It also provides users the ease of installation of a tray cable while providing better mechanical and environmental protection than traditional metal clad cables.

SPECIFICATIONS

ASTM B3 & ASTM B8	Class B Soft Drawn Concentric Lay Stranded Bare Copper Conductors
S095-658 (NEMA WC70) **UL 44 (XHHW-2) 600V**	Cable Rating XHHW-2 Multiple Conductors Direct Buried Sunlight Resistant Oil Resistant
IEEE 1202/FT-4 **IEEE 383**	Flame Retardant
UL 1277 TC-ER **NEC Article 336.10(7)**	Exposed Run Rating
UL 2225	TC-ER- HL
NEC Article 501.10(A)(2)(3)	TC-ER- HL Class I Division 1
NEC Article 505.15(B)(1)(i)	TC-ER-HL Class I Zone 1
CSA 22.2 No. 03	-40°C/ -35°C Cold Bend/Cold Impact
MSHA	Mine Safety & Health Administration
IEEE 1580*	Marine Shipboard Cable Rating
ABS	American Bureau of Shipping Type Approval

*Pending



Low Voltage AIRGUARD™ Features

- "No Knife? No Saw? No Problem!" installation makes terminating & splicing safer for electricians, and it greatly reduces the chances of damage to the conductors.
- Low Voltage AIRGUARD™ provides users the ease of installation of a tray cable
- Superior crush and impact resistance as compared to MC-HL cables when tested in accordance with UL-2225
- Smaller minimum bending radius as compared to metal clad cables, as low as 4X cable diameter.
- Prysmian's patented Polymeric AIR BAG™ armor eliminates the concern of kinking or breaking of corrugated aluminum armor during installation or subsequent bending in service that is often associated with Type MC-HL cables
- Reduced installation costs due to increased flexibility, ease of pulling, faster and safer cable preparation
- Use of less costly cable glands with significantly reduced installation time
- AIR BAG™ layer provides superior protection from the ingress of harmful fluids, hydrocarbon and chemicals
- Rated for installation in cable tray, for exposed runs (Type TC-ER), conduit, duct, direct burial, and aerial applications in Class I Division 2, Zone 2, and unclassified locations
- Permitted for use in Class I Division 1 and Zone 1 hazardous locations (Type TC-ER-HL) in accordance with National Electrical Code (2014) Sections 501.10(A)(2)(3) & 505.15(B)(i)
- Rated for -40°C/ -35°C cold bend/ cold impact per CSA 22.2 No. 03

Control Cable

Instrumentation Cable

VFD Cable

Low Voltage AIRGUARD™ Advantages

Reduced installation costs while improving the overall cable performance in harsh environments!

Strippability – No Knife!? No Saw? No Problem! The ability to strip a cable quickly without damaging the phase conductors is critical in reducing installation costs. The combination of Low Voltage AIRGUARD'S unique design and strategically placed rip cords allows it to be stripped up to three times faster than Metal Clad cables without the worry of nicked or damaged phase conductors. Low Voltage AIRGUARD cables do not require the use of a saw (as in the case of CCW cables) which results in increased personnel safety and reduces the potential for damage to the underlying core.

Chemical Resistance – Industrial plants require cable that will stand up to corrosive chemicals and hydrocarbons. Whether installing in a direct burial application, in tray, or in the air, Low Voltage AIRGUARD's proprietary polymeric layer provides the best protection in the market for the broadest range of chemicals.

Mechanical Resistance – AIRGUARD is known for its mechanical strength. When Prysmian's R&D engineers were designing Prysmian's new Low Voltage AIRGUARD it was imperative that the traditional toughness of the prior medium voltage designs be passed on to the Low Voltage AIRGUARD. In crush and impact testing, it is proven to be significantly stronger than metallic armored cables.

Flame – Not propagating a fire is a critical design parameter of any cable for the industrial market. Low voltage AIRGUARD passes all the industry standard flame tests, including IEEE 1202, FT-4 and IEEE 383 210,000 BTU flame test.

VFD – Low Voltage AIRGUARD VFD cables are designed with three symmetrically placed ground wires and an aluminum or copper sheath to contain the generation of high frequency electromagnetic interference (EMI) imposed on the cable when installed in a circuit containing a Variable Frequency Drive. In the event of catastrophic cable damage, this shield, plus the 3 segmented ground wires, should contain any arcing and effectively conduct system fault current to ground.

Product Range – Low Voltage AIRGUARD is available in 600V Power, Control & Instrumentation, from #16 AWG to 1000 kcmil. Standard stocked items include instrumentation cables, control cables to 37/C, and power cables to 3/C 750 kcmil.

LSOH Option – AIRGUARD is available in Low Smoke Zero Halogen (LSOH) construction. Add "LSOH" to the part number to specify as such.

Low Voltage AIRGUARD™ Product Range

Low Voltage AIRGUARD™ is available in 600V Power, Control & Instrumentation, from #16 AWG to 1000 kcmil. Standard stocked items include instrumentation cables, control cables to 37/C, and power cables to 3/C 750 kcmil.

Power - Low Voltage | 3/C & 4/C | 600 Volt

Product Number	Number and Circuit Conductor Size (AWG)	Nominal Insulation Thickness (mils)	Number & Grounding Conductor Size (AWG)	Nominal Jacket Thickness (mils)	Nominal Overall Cable O.D. (in.)	Nominal Cable Weight (lbs/Mft)	Minimum Bending Radius (in.)	‡ Ampacity (Amps)
394075	3/C #14	30	3 – #18	60	0.620	227	2.5	25
394040	4/C #14	30	1 – #14	60	0.660	250	2.7	20
394076	3/C #12	30	3 – #16	60	0.660	275	2.7	30
394042	4/C #12	30	1 – #12	60	0.705	304	2.9	24
394077	3/C #10	30	3 – #14	60	0.715	344	2.9	40
394044	4/C #10	30	1 – #10	60	0.765	390	3.1	32
394078	3/C #8	45	3 – #14	60	0.860	485	3.5	55
394094	4/C #8	45	1 – #10	80	0.960	610	3.9	44
394079	3/C #6	45	3 – #12	80	0.980	655	4.0	75
*394095	4/C #6	45	1 – #8	80	1.060	790	5.3	60
*394080	3/C #4	45	3 – #12	80	1.090	900	5.5	95
*394081	3/C #2	45	3 – #10	80	1.215	1270	6.1	130
*394096	4/C #2	45	1 – #6	80	1.320	1470	6.6	104
*394082	3/C #1/0	55	3 – #10	80	1.440	1870	7.2	170

VFD - Low Voltage | 3/C | 600 Volt

Product Number	Number and Circuit Conductor Size (AWG/kcmil)	Nominal Insulation Thickness (mils)	Number & Grounding Conductor Size (AWG)	Nominal Jacket Thickness (mils)	Nominal Overall Cable O.D. (in.)	Nominal Cable Weight (lbs/Mft)	Minimum Bending Radius (in.)	‡ Ampacity (Amps)
394039	3/C #14	30	3 – #18	80	0.630	250	7.5	25
394041	3/C #12	30	3 – #16	80	0.670	300	8.1	30
394043	3/C #10	30	3 – #14	80	0.725	370	8.7	40
394045	3/C #8	45	3 – #14	80	0.905	550	10.9	55
394046	3/C #6	45	3 – #12	80	0.990	700	11.9	75
*394047	3/C #4	45	3 – #12	80	1.100	900	13.2	95
*394048	3/C #2	45	3 – #10	80	1.225	1240	14.7	130
*394049	3/C #1/0	55	3 – #10	80	1.450	1720	17.4	170
*20169768	3/C #2/0	55	3 – #10	80	1.530	2170	11.0	195
*20165361	3/C #3/0	55	3 – #8	80	1.640	2644	12.0	225
*20127515	3/C #4/0	55	3 – #8	80	1.780	3193	13.0	260
*20127514	3/C 250	65	3 – #8	110	1.990	3846	14.0	290
*20127942	3/C 350	65	3 – #7	110	2.210	5070	16.0	350
*20127513	3/C 500	65	3 – #6	110	2.490	6863	18.0	430

PRODUCT NOTES:

‡ Per 2014 NEC TABLE 310.15(B)(16) “Allowable Ampacities of Insulated Conductors Rated up to and including 2000 Volts, 60°C through 90°C (140°F through 194°F), Not More Than Three Current-Carrying Conductors”

*Cables not marked "-HL" (per UL 2225, overall cable diameter must be 1.00 inch or less to be marked "-HL")

Control - Low Voltage 600 Volt

Product Number	Number and Circuit Conductor Size (AWG)	Green Grounding Conductor Size (AWG)	Nominal Insulation Thickness (mils)	Nominal Jacket Thickness (mils)	Nominal Overall Cable O.D. (in.)	Nominal Cable Weight (lbs/Mft)	Minimum Bending Radius (in.)	‡ Ampacity (Amps)
394090	2/C #14 + Grd	#14	30	60	0.625	215	2.5	25
394061	4/C #14 + Grd	#14	30	60	0.700	278	2.8	20
394067	4/C #12 + Grd	#12	30	60	0.750	337	3.0	24
394073	4/C #10 + Grd	#10	30	60	0.820	429	3.4	32
394062	6/C #14 + Grd	#14	30	60	0.740	327	3.0	17.5
394068	6/C #12 + Grd	#12	30	60	0.800	404	3.2	21
394074	6/C #10 + Grd	#10	30	80	0.915	564	3.7	28
394091	7/C #14 + Grd	#14	30	60	0.785	359	3.2	17.5
394092	7/C #10 + Grd	#10	30	80	0.975	627	3.9	28
394063	8/C #14 + Grd	#14	30	60	0.830	399	3.4	17.5
394069	8/C #12 + Grd	#12	30	80	0.940	538	3.8	21
*394084	8/C #10 + Grd	#10	30	80	1.035	690	5.2	28
394064	11/C #14 + Grd	#14	30	80	0.950	519	3.8	12.5
*394070	11/C #12 + Grd	#12	30	80	1.030	650	5.2	15
*394065	18/C #14 + Grd	#14	30	80	1.070	693	5.4	12.5
*394071	18/C #12 + Grd	#12	30	80	1.165	885	5.9	15
*394066	36/C #14 + Grd	#14	30	80	1.355	1137	6.8	10
*394072	36/C #12 + Grd	#12	30	80	1.490	1495	7.5	12

Instrumentation - Low Voltage 600 Volt | IS/OS Cables

Product Number	Number and Circuit Conductor Size (AWG)	Insulation Thickness (mils)		Nominal Jacket Thickness (mils)	Nominal Overall Cable O.D. (in.)	Nominal Cable Weight (lbs/Mft)	Minimum Bending Radius (in.)	‡ Ampacity (Amps)
		Avg PVC	Min Nylon					
394085	1/PR #18	15	4	45	0.475	125	5.7	14.0
394087	1/TR #18	15	4	45	0.490	135	5.9	14.0
394086	2/PR #18	15	4	60	0.640	215	7.7	11.2
394088	4/PR #18	15	4	60	0.705	290	8.5	9.8
394089	8/PR #18	15	4	80	0.910	455	4.6	7.0
394051	1/PR #16	15	4	45	0.500	140	6.0	18.0
394052	1/TR #16	15	4	45	0.515	160	6.2	18.0
394053	2/PR #16	15	4	60	0.690	255	8.3	14.4
394054	4/PR #16	15	4	60	0.770	345	9.3	12.6
394059	4/TR #16	15	4	80	0.925	460	11.2	9.0
394055	8/PR #16	15	4	80	0.975	550	11.8	9.0
*394056	12/PR #16	15	4	80	1.105	725	13.3	8.1
*394060	12/TR #16	15	4	80	1.330	960	16.0	7.2
*394057	24/PR #16	15	4	80	1.470	1225	17.7	6.3
*394058	36/PR #16	15	4	80	1.650	1685	19.8	6.3

PRODUCT NOTES:

‡ Per 2014 NEC TABLE 310.15(B)(16) "Allowable Ampacities of Insulated Conductors Rated up to and including 2000 Volts, 60°C through 90°C (140°F through 194°F), Not More Than Three Current-Carrying Conductors"

*Cables not marked "-HL" (per UL 2225, overall cable diameter must be 1.00 inch or less to be marked "-HL")

Medium Voltage AIRGUARD™ Cables

Medium Voltage AIRGUARD™ Overview

Prysmian's patented AIRGUARD™ cable is a direct replacement for continuously corrugated and welded aluminum armored cables (*in Class 1 Div 2 locations) with 5X the impact performance and up to 3X the sidewall bearing pressure limit (at 3000 lbs per rad-ft) This enables longer pulls than with CCW type cables. Please call in regards to the product literature and performance testing and videos.

Three conductor cable with stranded copper or aluminum conductors, extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength EPROTENAX™ EPR insulation, thermosetting semiconducting insulation shield, helically applied bare copper tape shield, cabled with fillers and grounding conductors, overall binder tape, foamed polymeric AIR BAG™layer for superior mechanical protection, longitudinally applied aluminum tape, extruded oil and hydrocarbon resistant polymeric DRYLAM™ layer, and overall sunlight resistant PVC jacket. Suitable for Class I Division 2 locations.

DESIGN PARAMETERS

CONDUCTOR: Class B Compact concentric strand aluminum alloy 1350 or soft drawn annealed copper per ASTM.

CONDUCTOR SHIELD: Extruded thermosetting semiconducting shield which is free stripping from the conductor and bonded to the insulation.

INSULATION: Natural high dielectric strength EPROTENAX™ EPR-based insulation, combined with other materials and agents that enhance the electrical and mechanical characteristics assuring extended cable life.

INSULATION SHIELD: Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing the required balance between electrical integrity and ease of stripping.

METALLIC SHIELD: Helically applied non-magnetic copper tape(s) over the insulation shield with a nominal overlap of 25%. A mylar ribbon is longitudinally applied under the copper tape shield for phase identification - 1C w/ Red, 1C w/ Blue, and 1C w/ Black.

GROUNDING CONDUCTORS: Bare stranded copper conductor per UL, ICEA, and ASTM.

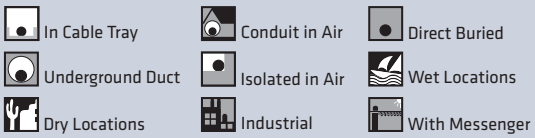
ASSEMBLY: Phase identified conductors cabled with fillers and grounding conductors, forming a firm and cylindrical cable core. A binder tape is applied to maintain core symmetry and mechanical stability.

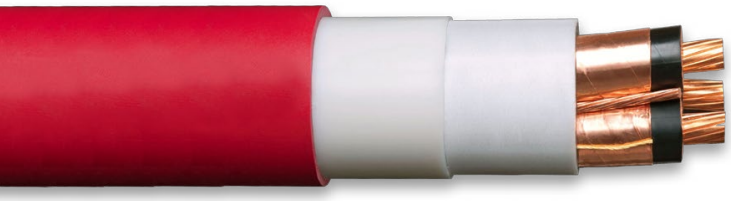
MECHANICAL PROTECTION: High strength and high crush resistant AIR BAG layer extruded over the core assembly.

CHEMICAL PROTECTION: A layer of DRYLAM™ which consists of a 6mil longitudinally applied aluminum tape and a chemical resistant extruded polymer layer is applied.

JACKET: Sunlight and moisture resistant polyvinyl chloride (PVC) jacket.

INSTALLATION





OPTIONS

- Mine Power Type MP-GC
- Low Smoke Zero Halogen Jacket
- 100% Insulation Level
- Colored Jackets
- Manufactured to CSA

SPECIFICATIONS

ICEA S-93-639 (NEMA WC74)	
UL 1072	Type MV-105, For CT USE Direct Buried/Sunlight Resistant
IEEE	Flame Retardant
UL 1277 TC-ER	Exposed Run Rating
CSA	CSA FT4 Flame Test CSA Cold Impact/Bend Test (-40C
MSHA	Type MP and Type MP-GC
IEEE 1580	Marine Shipboard Cable Rating
ABS	American Bureau of Shipping Type Approval

Medium Voltage AIRGUARD™ Product Range

Product Number	Conductor	Insulation Thickness (mils)	Ground Wires		Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Overall Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	‡ Ampacity (Amps)		†† Impedance (micro-ohms/ft)	
			#	Size	(A)	(B)	(C)	(D)			‡105°C In Duct	‡105°C In Air/ Tray	Pos/Neg Seq.	Zero Seq.
5kV 100%/ 5kV 133% Copper Three Conductor														
QJ4580A	2 AWG CU	90	3	10 AWG	0.266	0.49	0.55	1.64	1855	12	145	154	212 + j40	1223 + j24
QJ6580A	1 AWG CU	90	3	8 AWG	0.299	0.53	0.58	1.71	2107	12	165	180	169 + j38	1125 + j22
QJ8580A	1/0 AWG CU	90	3	8 AWG	0.341	0.57	0.62	1.89	2565	14	190	205	134 + j37	1028 + j20
QJ9580A	2/0 AWG CU	90	3	8 AWG	0.376	0.60	0.66	1.97	2942	14	220	240	106 + j36	949 + j20
QJB580A	4/0 AWG CU	90	3	7 AWG	0.479	0.71	0.76	2.22	4068	16	285	320	67 + j33	799 + j17
QJC580A	250 MCM CU	90	3	6 AWG	0.522	0.76	0.82	2.31	4562	17	315	355	57 + j3	744 + j17
QJD580A	350 MCM CU	90	3	6 AWG	0.622	0.86	0.92	2.52	5899	18	380	440	41 + j31	654 + j15
8kV 100% Copper Three Conductor														
QK0580A	8 AWG CU	115	3	12 AWG	0.135	0.41	0.47	1.42	1274	10	–	–	853 + j53	2023 + j36
QK1580A	6 AWG CU	115	3	10 AWG	0.170	0.45	0.50	1.43	1485	11	95	105	538 + j49	1631 + j33
QK2580A	4 AWG CU	115	3	10 AWG	0.215	0.49	0.55	1.53	1679	11	125	135	338 + j45	1325 + j28
QK4580A	2 AWG CU	115	3	10 AWG	0.266	0.54	0.60	1.75	2089	12	160	185	212 + j42	1134 + j26
QK6580A	1 AWG CU	115	3	8 AWG	0.299	0.58	0.63	1.78	2588	13	185	210	169 + j40	1045 + j24
QK8580A	1/0 AWG CU	115	3	8 AWG	0.341	0.62	0.68	1.89	2916	14	210	240	134 + j39	954 + j22
QK9580A	2/0 AWG CU	115	3	8 AWG	0.376	0.65	0.71	1.97	3226	14	235	275	106 + j37	888 + j21
QKB580A	4/0 AWG CU	115	3	7 AWG	0.479	0.76	0.82	2.19	4292	16	305	360	67 + j35	752 + j19
QKC580A	250 AWG CU	115	3	6 AWG	0.522	0.81	0.86	2.30	4974	17	335	400	57 + j34	704 + j18
QKD580A	350 AWG CU	115	3	6 AWG	0.622	0.91	0.96	2.52	6156	18	400	490	41 + j32	622 + j16
QKE580A	500 AWG CU	115	3	5 AWG	0.742	1.03	1.08	2.77	8229	20	485	600	29 + j31	548 + j15
QKF580A	750 AWG CU	115	3	4 AWG	0.917	1.21	1.27	3.25	11544	23	585	745	20 + j30	465 + j13
QKG580A	1000 MCMCU	115	3	3 AWG	1.071	1.37	1.42	3.61	14988	26	660	860	16 + j29	413 + j13
15kV 133% Copper Three Conductor														
QN4580A	2 AWG CU	220	3	10 AWG	0.266	0.74	0.80	2.27	3003	16	160	185	212 + j49	898 + j33
QN6580A	1 AWG CU	220	3	8 AWG	0.299	0.78	0.83	2.28	3539	16	185	210	169 + j46	827 + j30
QN8580A	1/0 AWG CU	220	3	8 AWG	0.341	0.82	0.88	2.43	3712	17	210	240	134 + j44	763 + j28
QN9580A	2/0 AWG CU	220	3	8 AWG	0.376	0.85	0.91	2.51	4127	17	235	275	107 + j43	710 + j27
QNB580A	4/0 AWG CU	220	3	7 AWG	0.479	0.96	1.02	2.74	5313	19	305	360	67 + j40	612 + j24
QNC580A	250 MCM CU	220	3	6 AWG	0.522	1.01	1.06	2.84	5932	20	335	400	57 + j39	577 + j23
QND580A	350 MCM CU	220	3	6 AWG	0.622	1.11	1.16	3.16	7547	22	400	490	41 + j37	518 + j21
QNE580A	500 MCM CU	220	3	5 AWG	0.742	1.23	1.28	3.42	9568	24	485	600	29 + j34	463 + j19
QNF580A	750 MCM CU	220	3	4 AWG	0.917	1.41	1.47	3.81	12953	26	585	745	20 + j33	401 + j17
QNF580A	1000 MCM CU	220	3	3 AWG	1.071	1.57	1.62	4.17	16233	30	660	860	16 + j32	361 + j16

Prysmian Cable Gland Selector Chart

	8 AWG	6 AWG	4 AWG	2 AWG	1 AWG	1/0	2/0	4/0	250 kcmil	350 kcmil	500 kcmil	750 kcmil	1000 kcmil
5kV, 100%				TC-200A174	TC-200A197	TC-200A197	TC-250A220	TC-250A244	TC-250A244	TC-300A268	TC-350A315	TC-400A3541	
8kV, 100%	TC-150A150	TC-150A150	TC-200A174	TC-200A197	TC-200A197	TC-200A197	TC-250A220	TC-250A244	TC-250A244	TC-300A268	TC-350A3151	TC-400A315	494AG11V
15kV, 133%				TC-250A244	TC-250A244	TC-300A268	TC-300A268	TC-350A315	TC-350A315	TC-400A354	TC-400A354	494AG11V	494AG12V
25kV, 133%					TC-350A315	TC-350A315	TC-350A315	TC-400A354	TC-400A354	494AG11V	494AG11V	494AG12V	494AG13V
35kV, 133%						TC-400A354	494AG11V	494AG11V	494AG11V	494AG12V	494AG12V	494AG13V	

(SEE PAGE 13 FOR PRODUCT NOTES)

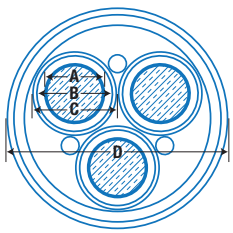
Medium Voltage AIRGUARD™ Product Range

Product Number	Conductor	Insulation Thickness (mils)	Ground Wires		Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Overall Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	‡Ampacity (Amps)		†† Impedance (micro-ohms/ft)	
			#	Size	(A)	(B)	(C)	(D)			‡105°C In Duct	‡105°C In Air/ Tray	Pos/Neg Seq.	Zero Seq.
25kV 133% Copper Three Conductor														
QQ6580A	1 AWG CU	320	3	8 AWG	0.299	0.98	1.04	2.79	4440	20	185	210	169 + j51	690 + j35
QQ8580A	1/0AWG CU	320	3	8 AWG	0.341	1.03	1.08	2.88	4855	21	210	240	134 + j49	636 + j33
QQ9580A	2/0AWG CU	320	3	8 AWG	0.376	1.06	1.12	3.01	5410	22	235	275	107 + j48	594 + j32
QQB580A	4/0AWG CU	320	3	7 AWG	0.479	1.16	1.22	3.28	6811	23	305	360	68 + j44	516 + j28
QQC580A	250 AWG CU	320	3	6 AWG	0.522	1.24	1.30	3.45	7667	25	335	400	57 + j43	489 + j27
QQD580A	350 MCM CU	320	3	6 AWG	0.622	1.31	1.37	3.60	8962	26	400	490	41 + j40	443 + j24
QQE580A	500 MCM CU	320	3	5 AWG	0.742	1.43	1.49	3.86	11097	28	485	600	29 + j38	400 + j22
QQF580A	750 MCM CU	320	3	4 AWG	0.917	1.62	1.67	4.28	14730	30	585	745	20 + j36	352 + j20
QQG580A	1000 MCM CU	320	3	3 AWG	1.071	1.77	1.83	4.65	18141	33	660	860	16 + j34	321 + j18
35kV 133% Copper Three Conductor														
QR8580A	1/0 AWG CU	420	3	8 AWG	0.341	1.22	1.27	3.39	6291	24	210	240	134 + j53	561 + j37
QR9580A	2/0 AWG CU	420	3	8 AWG	0.376	1.24	1.31	3.50	7326	25	235	275	107 + j51	520 + j35
QRB580A	4/0 AWG CU	420	3	7 AWG	0.479	1.35	1.41	3.69	8130	26	305	360	68 + j47	454 + j31
QRC580A	250 MCM CU	420	3	6 AWG	0.522	1.40	1.46	3.78	9472	27	335	400	57 + j46	432 + j30
QRD580A	350 MCM CU	420	3	6 AWG	0.622	1.50	1.56	4.02	11116	29	400	490	41 + j43	392 + j27
QRE580A	500 MCM CU	420	3	5 AWG	0.742	1.62	1.68	4.30	12697	31	485	600	30 + j41	356 + j25
QRF580A	750 MCM CU	420	3	4 AWG	0.917	1.81	1.86	4.73	16566	34	585	745	10 + j38	316 + j22
QRG580A	1000 MCM CU	420	3	3 AWG	1.071	1.96	2.05	5.00	20786	35	660	860	16 + j37	290 + j21
15kV 133% Aluminum Three Conductor														
QNM58CA	2 AWG AL	220	3	10 AWG	0.266	0.74	0.80	2.27	2583	16	125	145	350 + j49	1035 + j33
QXV516A	1 AWG AL	220	3	10 AWG	0.299	0.78	0.83	2.34	2761	17	145	165	278 + j46	937 + j30
QXU018A	1/0 AWG AL	220	3	10 AWG	0.336	0.81	0.87	2.42	2976	17	165	185	221 + j44	854 + j28
QXV750A	2/0 AWG AL	220	3	8 AWG	0.379	0.86	0.92	2.52	3297	18	185	215	176 + j43	777 + j27
QXZ865A	3/0 AWG AL	220	3	8 AWG	0.423	0.90	0.96	2.62	3584	19	210	245	139 + j41	714 + j25
QXZ537A	4/0 AWG AL	220	3	8 AWG	0.479	0.96	1.02	2.74	3946	20	240	285	111 + j40	655 + j24
QXU234A	250 MCM AL	220	3	7 AWG	0.515	1.00	1.06	2.83	4271	20	265	315	94 + j39	617 + j23
QXU110A	350 MCM AL	220	3	7 AWG	0.622	1.11	1.17	3.16	5301	23	315	385	67 + j37	543 + j21
QXU235A	500 MCM AL	220	3	6 AWG	0.742	1.23	1.28	3.42	6349	24	385	475	48 + j35	481 + j19
QXU181A	750 MCM AL	220	3	5 AWG	0.917	1.41	1.47	3.81	8082	27	475	600	32 + j33	413 + j17
QXZ739A	1000 MCM AL	220	3	4 AWG	1.071	1.57	1.62	4.17	9786	30	545	705	25 + j32	370 + j16

PRODUCT NOTES:

s Items are Prysmian authorized stock.

The above dimensions are approximate and subject to normal manufacturing tolerances.



†Ampacities are based on the following:

Three Phase Operation

In Duct: Cable in underground electrical ducts; one cable per duct; based on ambient temperature of 20°C; 2014 NEC Table 310.60(C)(79)

Air: Cable isolated in air and an ambient temperature of 40°C; per 2014 NEC Table 310.60(C)(71)

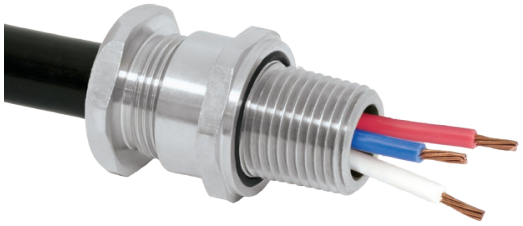
In Cable Tray: Per 2014 NEC Article 392.80(B)(1)(b), where multi-conductor cables installed in a single layer in an uncovered cable tray, with maintained spacing of not less than one cable diameter between cables, the ampacities shall not exceed the allowable ampacities stated in Table 310.60(C)(71) (Copper).

‡EPROTENAX™ EPR-insulated cables are capable of operating at 105°C. However, the maximum operating temperature of the cable should be based on the maximum operating temperature of the cable accessories to be used.

††Impedance based on 105°C operating temperature, shields short-circuited with no return in earth. At 90°C, the resistive portion of the impedances can be estimated at 96% of the values at 105°C, the reactive portions remain unchanged.

Accessories

Non-Potted Gland



TC Ex e Ex d Ex ta

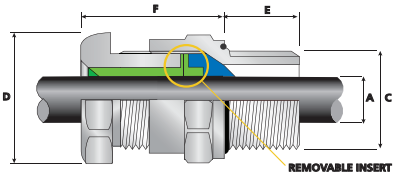
TC Globally Approved, Hazardous (Classified) Location Cable Gland

For LV AIRGUARD™ TC-ER-HL Cables, Class I Div 2

- Standard material is aluminum. Nickel-plated brass available as made-to-order.
- Increased cable range with removable insert
- Optional thread sizes
- Operating Temp: -76˚F to 230˚F
- Class I Division 2 ABCD
- Class I Zone 1 & 21 AExe
- Globally marked, cCSAus, IECEx & ATEX
- Heavy duty design

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class D
ATEX Certificate	SIRA09ATEX1092X
Code of Protection	II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,1,7, EN 61241-0,1
IECEx Certificate	IECEx SIR 09.0042X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,1,7 IEC 61241-1
cCSAus Certificate	2220601
Code of Protection	Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups E, F, and G; Class III, Div. 2; Encl. Type 4X.Ex e; Class I, Zone 1, AEx e:
Compliance Standards	CAN/CSA-C22.2 Various Sections (See Certificate) CAN/CSA-E60079-0,7, CAN/CSA-E61241-1-1, ANSI/UL 514B Ed 5, ANSI/UL 50Ed 11, ANSI/UL 60079-0,7
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.ГБ05.B.00138
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 15-LD1410479-PDA
Ingress Protection Rating	IP66, IP67 & IP68
NEMA Rating	NEMA 4X
Cable Gland Material	Copper Free (<0.4%) Aluminium, Nickel Plated Brass, Stainless Steel
Cable Type	Tray Cable & Cords, Unarmoured / Braid (IEC)
Sealing Technique	CMP Displacement Seal with Removable Insert
Sealing Area(s)	Cable Outer Jacket

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 6244*



Cable Gland Selection Table

Dimensions are in inches, unless otherwise noted.

Order Reference (NPT)	Entry Thread "C"		Minimum Thread Length "E"	Cable Range "A" Insert		Cable Range "A" No Insert		Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"	Approx Weight Aluminium (Ozs)
Aluminium	NPT	NPT Option		Min	Max	Min	Max	Max	Max		
TC-050A028	1/2"	-	0.78	0.126	0.276	-	-	1.201	1.321	1.200	1.94
TC-075A028	-	3/4"	0.80					1.476	1.594	1.240	1.69
TC-050A055	1/2"	-	0.78	0.256	0.406	0.406	0.551	1.201	1.323	1.200	1.94
TC-075A055	-	3/4"	0.80					1.476	1.626	1.240	1.69
TC-075A079	3/4"	-	0.80	0.437	0.610	0.610	0.787	1.476	1.626	1.240	1.69
TC-100A079	-	1"	0.98					1.811	1.957	1.650	3.17
TC-100A104	1"	-	0.98	0.669	0.854	0.854	1.035	1.811	1.992	1.650	3.88
TC-125A104	-	1-1/4"	1.01					2.047	2.213		
TC-125A127	1-1/4"	-	1.01	0.925	1.098	1.098	1.268	2.047	2.252	1.650	4.94
TC-150A127	-	1-1/2"	1.03					2.362	2.551		
TC-150A150	1-1/2"	-	1.03	1.220	1.366	1.366	1.504	2.362	2.598	1.650	6.00
TC-200A150	-	2"	1.06					2.953	3.189		
TC-200A174	2"	-	1.06	-	-	1.402	1.736	2.756	2.976	1.630	8.64
TC-250A174	-	2-1/2"	1.57					3.543	3.827		
TC-200A197	2"	-	1.06	-	-	1.634	1.972	2.756	2.031	1.740	8.29
TC-250A197	-	2-1/2"	1.57					3.543	3.827		
TC-250A220	2-1/2"	-	1.57	-	-	1.858	2.205	3.543	3.827	1.740	13.58
TC-300A220	-	3"	1.63					4.331	4.677		
TC-250A244	2-1/2"	-	1.57	-	-	2.126	2.441	3.543	3.898	1.790	13.58
TC-300A244	-	3"	1.63					4.331	4.677		
TC-300A268	3"	-	1.63	-	-	2.406	2.677	4.331	4.677	1.790	23.63
TC-350A268	-	3-1/2"	1.69					4.843	5.228		
TC-350A315	3-1/2"	-	1.69	-	-	2.622	3.150	4.843	5.228	2.500	34.22
TC-400A315	-	4"	1.73					5.252	5.669		
TC-400A354	4"	-	1.73	-	-	2.992	3.543	5.252	5.669	2.360	38.80

Order Code Example: TC-050A028 - "TC" (Type Gland) - "050" (1/2" NPT Thread) - "A" (Material Aluminium) - "028"(Max Cable Diameter 0.28")

Liquid Sealing Gland

PXSS2K-REX Ex e Ex d Ex nR Ex ta

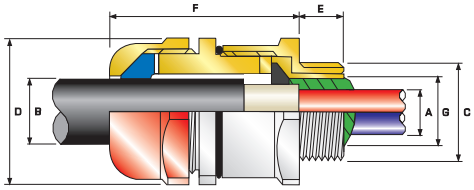
PXSS2K-REX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For LV AIRGUARD™ TC-ER-HL Cables, Class I Div 1

- Liquid pour sealing system
  - Reduces installation time and labor
  - Reduces time to service.
  - 35min cure time at 68F.
  - Faster than putty filled.
- Standard material is nickel-plated brass.
- Superior levels of cable retention
- Displacement type environmental seal
- Designed to prevent cold flow
- Deluge protected
- Disconnectable, union feature design
- Operating Temp:-76°F to 185°F / -60°C to 85°C
- Class I Division 1 & 2 ABCD, Class I Zone 1, 21, 2 & 22
- Globally marked, cCSAus, IECEx & ATEX
- As standard in nickel plated brass with NPT thread form

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da II 3G Ex nR IIC Gc, IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20s16 - 90)	2288626
CSAus Code of Protection	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN CSA-E61241-1-1, Part 1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0:07
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.ГБ05.B.00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 & IP68
Deluge Protection Compliance	DTS01 : 91
NEMA Rating	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminium, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Rapid Explosion Proof Sealing
Cable Type	LV AirGuard TC-ER-HL Cables
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	RapidEx Resin Barrier & Cable Outer Sheath

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*



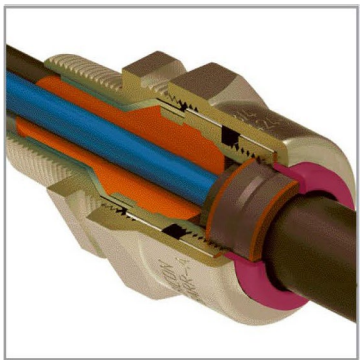
Cable Gland Selection Table Dimensions are in inches, unless otherwise noted.

Cable Gland Size	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Max	Max	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	1/2"	3/4"	M20	0.78	11	0.339	0.339	0.122	0.339	1.181	1.299	2.091	20S16	PXSS2KREX	1RA531	PVC06	7.055
20S	1/2"	3/4"	M20	0.78	11	0.461	0.461	0.240	0.461	1.181	1.299	2.091	20S	PXSS2KREX	1RA531	PVC06	7.055
20	1/2"	3/4"	M20	0.78	11	0.496	0.508	0.256	0.551	1.181	1.299	2.134	20	PXSS2KREX	1RA531	PVC06	7.055
25	3/4"	1"	M25	0.80	21	0.689	0.703	0.437	0.787	1.417	1.559	2.362	25	PXSS2KREX	1RA532	PVC09	11.640
32	1"	1 1/4"	M32	0.98	38	0.929	0.941	0.669	1.035	1.614	1.776	2.406	32	PXSS2KREX	1RA533	PVC10	13.757
40	1 1/4"	1 1/2"	M40	1.01	59	1.181	1.193	0.866	1.264	1.969	2.165	2.457	40	PXSS2KREX	1RA534	PVC13	19.753
50S	1 1/2"	2"	M50	1.03	89	1.441	1.453	1.161	1.504	2.165	2.382	2.567	50S	PXSS2KREX	1RA535	PVC15	23.281
50	2"	2 1/2"	M50	1.06	89	1.614	1.626	1.402	1.732	2.362	2.598	2.661	50	PXSS2KREX	1RA536	PVC18	25.750
63S	2"	2 1/2"	M63	1.06	115	1.886	1.906	1.579	1.965	2.756	3.031	2.799	63S	PXSS2KREX	1RA536	PVC21	37.743
63	2 1/2"	3"	M63	1.57	115	2.114	2.126	1.858	2.201	2.953	3.248	2.772	63	PXSS2KREX	1RA537	PVC23	37.390
75S	2 1/2"	3"	M75	1.57	140	2.358	2.370	2.079	2.437	3.150	3.465	2.965	75S	PXSS2KREX	1RA537	PVC25	45.856
75	3"	3 1/2"	M75	1.63	140	2.528	2.528	2.327	2.673	3.346	3.681	2.949	75	PXSS2KREX	1RA538	PVC27	45.856
90	3 1/2"	4"	M90	1.69	200	2.965	2.976	2.622	3.126	4.252	4.677	3.732	90	PXSS2KREX	1RA539	PVC31	106.527
100	3 1/2"	5"	M100	1.69	200	3.370	3.382	2.992	3.579	4.843	5.327	3.398	100	PXSS2KREX	1RA5310	LSF33	141.096

*Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminium "1"
For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples:
32PXSS2KREX1RA534 = Nickel Plated Brass 1-1/4" NPT / 50SPXSS2KREX1RA035 = Brass 1-1/2" NPT / 25PXSS2KREX1RA432 = Stainless Steel 3/4" NPT / 20PXSS2KREX1RA5 Nickel Plated Brass M20

Putty Sealing Gland 424BT Series



For LV AIRGUARD™ TC-ER-HL Cables, Class I Div 1

Features and Benefits:

- Fast, easy installation
- Large sealing range
- Space and weight savings
- Tested to UL and CSA standards
- Suitable for unarmored tray cables - TC-ER-HL and TC-ER
- 8hr cure time at 68°F

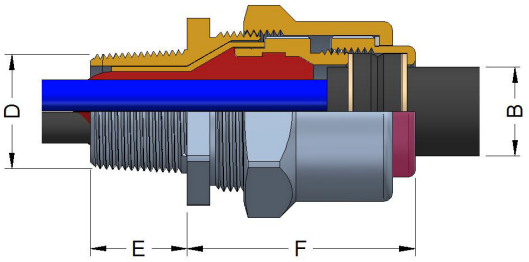
Technical Information:

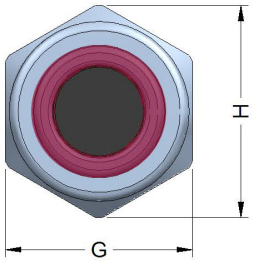
- Suitable for unarmored tray cables-category TC-ER-HL
- All parts are brass. Threaded hub is nickel-plated brass.

Connector listed as follows:

1/2" to **3- 1/2**" CSA Class I groups ABCD, Class II groups EFG, Class III
1/2" to **1- 1/2**" UL Class I groups ABCD (Div 1) with TC-ER-HL cable (up to 1 inch): Class II groups FG (Div 2), Class III
1-1/4" to **3**" W' UL Class I groups CD (Div 2); Class II groups FG (Div 2), Class III

For use in most climatic conditions, rated to IP66 for wet location.
For use with explosion proof equipment in Zone 1 and 2 hazardous areas and for Class I, Div 1 & 2 applications.
Full installation instructions supplied.





Specifications

Gland Reference		Cable Dimensions Overall ∅ (B)			Gland Dimensions			Weight
Design Reference (Standard)	Hub Size NPT (D)	Min.	Max.	Hub Length (E)	Protrusion Length (F)	Hexagon		Lbs
						A/F (G)	A/C (H)	
424BT-02	1/2"	0.35"	0.62"	0.85"	1.85"	1.42"	1.57"	0.66
424BT-03	3/4"	0.51"	0.76"	0.86"	1.96"	1.67"	1.89"	0.88
424BT-04	1"	0.67"	1.06"	1.07"	2.08"	1.86"	2.11"	1.10
424BT-05	1 - 1/4"	0.95"	1.26"	1.10"	2.16"	2.22"	2.42"	1.76
424BT-15	1 - 1/2"	0.95"	1.26"	1.11"	2.16"	2.22"	2.42"	2.09
424BT-06	2"	1.14"	1.65"	1.15"	2.32"	2.76"	3.04"	2.87
424BT-07	2 - 1/2"	1.61"	2.08"	1.70"	2.24"	3.15"	3.44"	4.08
424BT-08	3"	1.96"	2.42"	1.76"	2.83"	3.89"	4.30"	6.64
424BT-09	3 - 1/2"	2.15"	2.91"	1.81"	2.91"	4.18"	4.50"	8.36

Matching Glands for Low Voltage AIRGUARD™

Power - Low Voltage | 3/C & 4/C | 600 Volt

Cable Product Number	Cable Description	Non-Potted Gland		Putty Sealing Gland		Liquid Sealing Gland	
394075	3/C #14 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394040	4/C #14 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394076	3/C #12 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394042	4/C #12 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394077	3/C #10 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394044	4/C #10 AWG	TC-075A079	3/4" NPT	424BT04	1" NPT	25PXSS2KREX1EX532	3/4" NPT
394078	3/C #8 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394079	3/C #6 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394080	3/C #4 AWG	TC-125A127	1-1/4" NPT	424BT05	1-1/4" NPT	40PXSS2KREX1EX534	1-1/4" NPT
394081	3/C #2 AWG	TC-125A127	1-1/4" NPT	424BT05	1-1/4" NPT	40PXSS2KREX1EX534	1-1/4" NPT
394082	3/C #1/0 AWG	TC-150A150	1-1/2" NPT	424BT06	2" NPT	50SPXSS2KREX1EX535	1-1/2" NPT
394083	3/C #2/0 AWG	TC-150A150	1-1/2" NPT	424BT06	2" NPT	50SPXSS2KREX1EX535	1-1/2" NPT

VFD - Low Voltage | 3/C & 4/C | 600 Volt

Cable Product Number	Cable Description	Non-Potted Gland		Putty Sealing Gland		Liquid Sealing Gland	
394039	3/C #14 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394041	3/C #12 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394043	3/C #10 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394045	3/C #8 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394046	3/C #6 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394047	3/C #4 AWG	TC-125A127	1-1/4" NPT	424BT05	1-1/4" NPT	40PXSS2KREX1EX534	1-1/4" NPT
394048	3/C #2 AWG	TC-125A127	1-1/4" NPT	424BT05	1-1/4" NPT	40PXSS2KREX1EX534	1-1/4" NPT
394049	3/C #1/0 MCM	TC-150A150	1-1/2" NPT	424BT06	2" NPT	50SPXSS2KREX1EX535	1-1/2" NPT
394050	3/C #2/0 MCM	TC-150A150	1-1/2" NPT	424BT06	2" NPT	50SPXSS2KREX1EX535	1-1/2" NPT
20127515	3/C #4/0 KCM	TC-200A197	2" NPT	424BT07	2-1/2" NPT	63SPXSS2KREX1EX536	2" NPT
20127514	3/C #250 KCM	TC-250A197	2-1/2" NPT	424BT07	2-1/2" NPT	63SPXSS2KREX1EX536	2" NPT
20127942	3/C #350 KCM	TC-250A220	2-1/2" NPT	424BT08	3" NPT	75SPXSS2KREX1EX537	2-1/2" NPT
20127513	3/C #500 KCM	TC-300A268	3" NPT	424BT09	3-1/2" NPT	75PXSS2KREX1EX538	3" NPT
20147056	3/C #750 KCM	TC-350A315	3-1/2" NPT	424BT09	3-1/2" NPT	90PXSS2KREX1EX539	3-1/2" NPT

Matching Glands for Low Voltage AIRGUARD™

Control - Low Voltage 600 Volt

Cable Product Number	Cable Description	Non-Potted Gland		Putty Sealing Gland		Liquid Sealing Gland	
394061	5/C #14 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394067	5/C #12 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394073	5/C #10 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394062	7/C #14 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394068	7/C #12 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394074	7/C #10 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394063	9/C #14 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394069	9/C #12 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394064	12/C #14 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394070	12/C #12 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394065	19/C #14 AWG	TC-125A127	1-1/4" NPT	424BT05	1-1/4" NPT	40PXSS2KREX1EX534	1-1/4" NPT
394071	19/C #12 AWG	TC-125A127	1-1/4" NPT	424BT05	1-1/4" NPT	40PXSS2KREX1EX534	1-1/4" NPT
394066	37/C #14 AWG	TC-150A150	1-1/2" NPT	424BT06	2" NPT	50SPXSS2KREX1EX535	1-1/2" NPT
394072	37/C #12 AWG	TC-150A150	1-1/2" NPT	424BT06	2" NPT	50SPXSS2KREX1EX535	1-1/2" NPT

Instrumentation - Low Voltage 600 Volt | IS/OS Cables

Cable Product Number	Cable Description	Non-Potted Gland		Putty Sealing Gland		Liquid Sealing Gland	
394051	1/PR #16 AWG	TC-050A0551	1/2" NPT	424BT02	1/2" NPT	20PXSS2KREX1EX531	1/2" NPT
394052	1/TR #16 AWG	TC-050A0551	1/2" NPT	424BT02	1/2" NPT	20PXSS2KREX1EX531	1/2" NPT
394053	2/PR#16 AWG	TC-075A079	3/4" NPT	424BT03	3/4" NPT	25PXSS2KREX1EX532	3/4" NPT
394054	4/PR #16 AWG	TC-075A079	3/4" NPT	424BT04	1" NPT	25PXSS2KREX1EX532	3/4" NPT
394059	4/TR #16 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394055	8/PR #16 AWG	TC-100A104	1" NPT	424BT04	1" NPT	32PXSS2KREX1EX533	1" NPT
394056	12/PR #16 AWG	TC-125A127	1-1/4" NPT	424BT05	1-1/4" NPT	40PXSS2KREX1EX534	1-1/4" NPT
394060	12/TR #16 AWG	TC-150A150	1-1/2" NPT	424BT06	2" NPT	50SPXSS2KREX1EX535	1-1/2" NPT
394057	24/PR #16 AWG	TC-150A150	1-1/2" NPT	424BT06	2" NPT	50SPXSS2KREX1EX535	1-1/2" NPT
394058	36/PR #16 AWG	TC-200A174	2" NPT	424BT06	2" NPT	50PXSS2KREX1EX536	2" NPT

MV AIRGUARD™ 3/C AND 1/C SPLICES

Prysmian's patented AIRGUARD™ cable is a superior alternative for CCW type armored cables. Prysmian has developed a quick and easy splice for single and three conductor AIRGUARD cable. Connectors can be supplied in the kit as required. Prysmian Elaspeed splices meet IEEE 404 specifications. Contact your Prysmian sales representative for more information, including data on size transition limits.

1/C 5kV Splices

Part Number	Cable Size Range
AGJ1CD5H	1/0 - 250
AGJ1CE5H	350 - 500
AGJ1CF5H	750 - 1000

3/C 5kV Splices

Part Number	Cable Size Range
AGJ3CD5H	1/0 - 250
AGJ3CE5H	350 - 500
AGJ3CF5H	750 - 1000

1/C 15kV Splices

Part Number	Cable Size Range
AGJ1CD15H	#2 - 2/0
AGJ1CE15H	4/0 - 250
AGJ1CIP15H	350 - 500
AGJ1CI15H	750 - 1000

3/C 15kV Splices

Part Number	Cable Size Range
AGJ3CD15H	#2 - 2/0
AGJ3CE15H	4/0 - 250
AGJ3CIF15H	350 - 500
AGJ3CIP15H	750 - 1000

1/C 25kV Splices

Part Number	Cable Size Range
AGJ1CF25H	#1 - 350
AGJ1CIP25H	500 - 750
AGJ1CI25H	1000

3/C 25kV Splices

Part Number	Cable Size Range
AGJ3CF25H	#1 - 350
AGJ3CIP25H	500 - 750
AGJ3CI25H	1000

1/C 35kV Splices

Part Number	Cable Size Range
AGJ1CH35H	1/0 - 250
AGJ1CIP35H	500 - 750
AGJ1CI35H	750 – 1000

3/C 35kV Splices

Part Number	Cable Size Range
AGJ3CH35H	1/0 - 250
AGJ3CIP35H	500 - 750
AGJ3CI35H	750 – 1000

Choosing the correct connector number (if required):
Connectors can be included by adding the appropriate part number suffix:

Conductor Size Part Number Suffixes

Conductor Size	Suffix
2	-2
1	-1
1/0	-1/0
2/0	-2/0
4/0	-4/0

Conductor Size	Suffix
250	-250
350	-350
500	-500
750	-750
1000	-1000

Specify either a copper (CU) or aluminum (AL) connector.

Example:

A copper connector for a splice kit for a 750 kcmil conductor, 15kV three conductor would be AGJ3CIP15H-750-CU.

MV AIRGUARD™ TERMINATIONS

Prysmian's patented AIRGUARD™ cable is a superior replacement for CCW type armored cables. Prysmian has developed a quick and easy termination for AIRGUARD cable.

For smaller 5kV sizes (#6 to #1 AWG) we offer a traditional heat shrink termination while the rest of our product offering utilizes cold shrink technology.

Prysmian can provide one or two-hole lugs in the kit so that a complete kit is ready for the jobsite.

1/C 5kV Terminations (Indoor or Outdoor)

Part Number	Cable Size Range
AGT1CA5-HS*	#6 to #2
AGT1CB5-HS*	#1
AGT1CA5-X	1/0 - 250
AGT1CB5-X	350 - 750
AGT1CC5-X	1000

*Note: Heat shrink versions
Replace X with O (Outdoor) or I (Indoor)

3/C 5kV Terminations (Indoor or Outdoor)

Part Number	Cable Size Range
AGT3CA5-HS*	#6 to #2
AGT3CB5-HS*	#1
AGT3CA5-X	1/0 - 250
AGT3CB5-X	350 - 750
AGT3CC5-X	1000

*Note: Heat shrink versions
Replace X with O (Outdoor) or I (Indoor)

1/C 15kV Terminations (Indoor or Outdoor)

Part Number	Cable Size Range
AGT1CA15-X	#2 - 2/0
AGT1CB15-X	4/0 - 500
AGT1CC15-X	750 - 1000

Replace X with O (Outdoor) or I (Indoor)

3/C 15kV Terminations (Indoor or Outdoor)

Part Number	Cable Size Range
AGT3CA15	#2 - 2/0
AGT3CB15	4/0 - 500
AGT3CC15	750 - 1000

Replace X with O (Outdoor) or I (Indoor)

1/C 25kV Terminations (Indoor or Outdoor)

Part Number	Cable Size Range
AGT1CB25	#1 - 250
AGT1CC25	350 - 500

Shipped as outdoor terminations but can be used indoors

3/C 25kV Terminations (Indoor or Outdoor)

Part Number	Cable Size Range
AGT3CB25	#1 - 250
AGT3CC25	350 - 500
AGT3CD25	750 - 1000

Shipped as outdoor terminations but can be used indoors

1/C 35kV Terminations (Indoor or Outdoor)

Part Number	Cable Size Range
AGT1CB35	1/0 - 4/0
AGT1CC35	250 - 1000

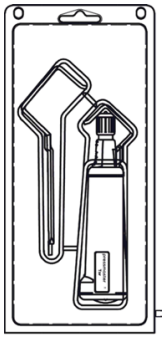
Shipped as outdoor terminations but can be used indoors

3/C 35kV Terminations (Indoor or Outdoor)

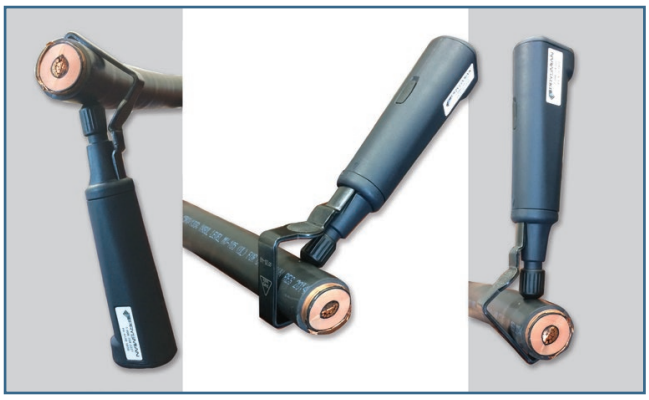
Part Number	Cable Size Range
AGT3CB35	1/0 - 4/0
AGT3CC35	250 - 350
AGT3CD35	500 - 1000

Shipped as outdoor terminations but can be used indoors

Prysmian – Flexi Peeler Tool

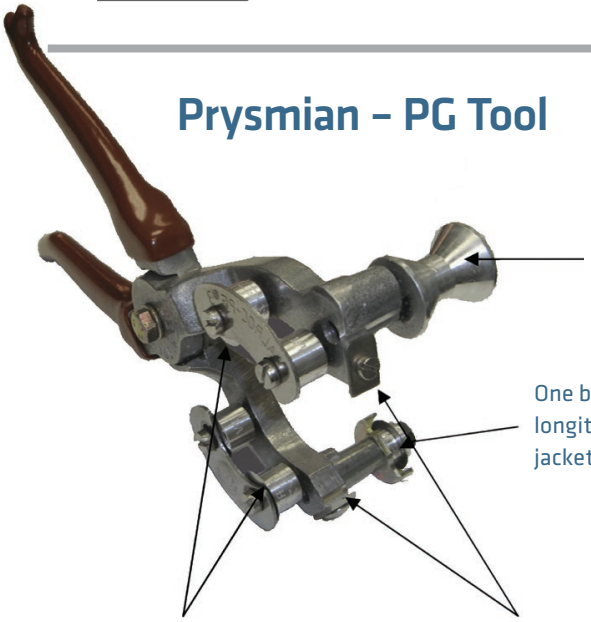


Includes:
- Tool with blade
- Two hooks (small & large)
- Replacement blade (inside base of tool)

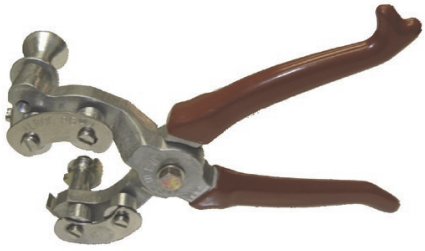


Cutting Patterns: Circular, Spiral and Lengthwise
Cable OD Range: 0.18" to 1.57" Up to 2/0, 3C LV AirGuard
Tool Part Number: 4320-1030
Blade Part Number: 4320-0618
Large Hook Part Number: 4320-0619

Prysmian – PG Tool



SHEATH DIAMETER	TOOL DESIGNATION
1.00" - 2.00"	PG3 MV
1.85" - 3.00"	PG4 MV
2.55" - 3.70"	PG5 MV



Longitudinal Jacket Cut

Radial Cut

Teeth Gripping and Pulling Off Laminate Layer.

Prysmian Group

LINKING the FUTURE

United States - 1610 Greens Road, Suite 300 | Houston, TX 77032 | 281-645-7350

Canada - 137 Commerce Drive | R. R #3 | Johnstown, Ontario K0E1T1 | 1-800-845-8507

na.prysmiangroup.com/oil-gas

Prysmian Group

PRYSMIAN Draka