



Accessories Catalog

Terms and Conditions

Prysmian shall have the right at any time prior to delivery or collection of the products to change their specification in accordance with industry specifications.

Please contact the Sales Office for lead times and details of minimum order quantities. Special delivery requirements for example a.m. next day deliveries, will be charged at cost. This cost will be confirmed at time of order.

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SECTION 1

MV SPLICES

elaspeed®

CABLE SPLICES

The low profile, cold shrink, range taking, 105°C operating temp cable splice

Prysmian introduces its latest cold applied splice technology into the North American medium voltage cable accessories market. The Elasppeed® splice is quick and easy to install, saving time and cost over alternative methods.

The Elasppeed® is not a molded splice. It is manufactured in exactly the same way as extruded dielectric cable. The core is constructed from ethylene propylene rubber (EPR) on a vertical triple extruder which maintains its concentricity to the tightest tolerances possible. It is then tested as a cable to ensure long and trouble-free operation under a wide variety of applications and conditions. The Elasppeed® splice has the highest physical and dielectric properties and it utilizes the Prysmian Eprotenax™ insulation system.

When manufacturing is complete, all components which are integral to the splice (conductor electrode, high permittivity layer, insulation, semi-conductive insulation shield, metallic shield and jacket) are expanded onto a self-ejecting support tube, which when released allows the splice to shrink onto the cable creating a tight circumferential interface.

WHY USE Elasppeed®?

Testing

The Elasppeed® splices meet or exceed the stringent test criteria of IEEE 404.

The core of each Elasppeed® splice is factory tested to ensure the splice will maintain the integrity of the electrical cable system on which it is installed.

Safety

The Elasppeed® splice is installed without the use of heat or open flames, which can be hazardous in many locations.

Watertight

The circumferential pressure of the Elasppeed® jacket in conjunction with the cold flow properties of the mastic supplied with the splice kit, will not allow any ingress of water. The Elasppeed® splice has passed external water pressure tests of 45 psi. In addition, the tight interface between the cable and splice body can withstand internal pressures up to 30 psi.

Installation

The Elasppeed's® self-ejecting tube along with its integral construction design, makes it quick, easy and less costly to install.

Compatibility

The Elasppeed® splice is compatible with all solid dielectric extruded shielded cables. It also can be used with all types of metallic shielding.

Range Taking Capability

A major advantage of the Elasppeed® splice is its versatility. The splice series covers a wide range of sizes from #2 AWG to 1000 kcmil and voltages from 5kV thru 35kV. Individual splices are capable of joining cables of different insulation thickness and conductor sizes.

Small Profile

Elasppeed® splices behave like EPR cable when it comes to bending in tight manhole situations. Splices can be bent to the same radius as the cable on which it is applied. Also, its small profile consumes noticeably less installation space.

Reliability

Elasppeed® splices are reliable, because they always shrink uniformly, and there is only one complete unit to shrink. No matter how many splices are installed, the last splice will be as reliable as the first.

ELECTRICAL CHARACTERISTICS

Strong physical properties and moisture resistance are only some of the improved Elaseed® Splice characteristics when compared to alternative splice designs. The EprotenaXTII insulation utilized in Elaseed® splices has been used in service up to 150kV and in medium voltage applications since 1963.

A fundamental measure of expected splice performance is its reaction to severe electrical conditions. Elaseed® splices meet or exceed the requirements of IEEE 404 as shown below:

Basic Impulse Level

Voltage Class	IEEE 404 Test Level	Elaseed® splice
15kV	110kV	150kV
25kV	150kV	170kV
35kV	200kV	220kV

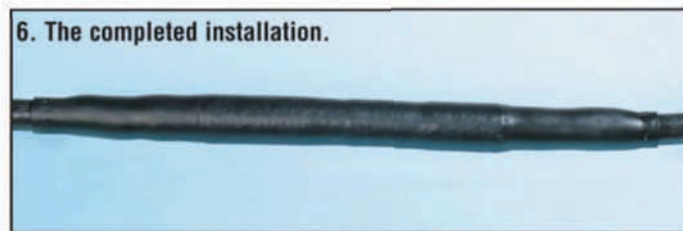
Elaseed® splices have been used on EPR insulated electrical systems where the conductor temperature has been maintained at 1050C for a complete test sequence. Request copies of IEEE Transaction Paper #95 UM01 6-6 PWRD.

DESIGN FLEXIBILITY

Elaseed® splices are available with several alternative shield/neutral connection systems. These include constant force springs, LC Shield® connection jumper kits or a combination of these shield connectors. Further design flexibility is provided through the use of separate jackets over Elaseed® splice cores, allowing the installer to connect existing concentric neutral wires before jacketing the splice.

These options may permit further inventory reduction by reducing the number of items in stock.

Qualification test copies are available on request. Contact your Prysmian representative.



MV 1/C Straight Splice

15k - 100% Insulation Level (175mil)

Part Number	Cable Range	Insulation Diameter Minimum	Jacket Diameter Maximum
15SDJBe	#2 - 3/0	0.68	1.26
15SEJCe	1/0 - 250	0.75	1.34
15SFJCe †	4/0 - 500	0.91	1.73
15SHJCe †	250 - 500	0.96	1.81
15SIPJCe	500 - 750	1.09	2.05
15SIJCe	750 - 1000	1.26	2.44

15kV - 133% Insulation Level (220 mil)

Part Number	Cable Range	Insulation Diameter Minimum	Jacket Diameter Maximum
15SDJBe	2 - 2/0	0.68	1.26
15SEJCe*	2 - 4/0	0.75	1.34
15SFJCe	3/0 - 500†	0.91	1.73
15SHJCe	4/0 - 500†	0.96	1.81
15SIPJCe	350 - 750	1.09	2.05
15SIJCe	500 - 1000	1.26	2.44

25kV - 100% Insulation Level (260 mil)

Part Number	Cable Range	Insulation Diameter Minimum	Jacket Diameter Maximum
25SDJBe	1 - 1/0	0.68	1.26
25SEJCe	1 - 2/0	0.75	1.34
25SFJCe**	1/0 - 350	0.91	1.73
25SHJCe	2/0 - 500	0.96	1.81
25SIPJCe	250 - 500	1.09	2.05
25SIJCe	500 - 1000	1.26	2.44

28kV - 100% Insulation Level (280 mil)

Part Number	Cable Range	Insulation Diameter Minimum	Jacket Diameter Maximum
28SEJCe	1 - 2/0	0.75	1.34
28SFJCe	1 - 350	0.91	1.73
28SHJCe	1/0 - 500	0.96	1.81
28SIPJCe	4/0 - 500	1.09	2.05
28SIJCe	350 - 1000	1.26	2.44

35kV - 100% Insulation Level (345 mil)

Part Number	Cable Range	Insulation Diameter Minimum	Jacket Diameter Maximum
35SHJC	1 - 250	0.96	1.81
35SIPJC	1/0 - 500	1.09	2.05
35SIJC	4/0 - 1000	1.26	2.44

15-35kV Up to 1000 kcmil- Prysmian has the capability to splice larger conductor sizes using the Elasppeed technology cables. Please call your Prysmian Sales Representative for more information.

Sizes are based on AEIC and ICEA specifications for typical compressed conductor, jacketed, 1/3 neutral cables.

* These kits will not fit #2 solid conductor

** Splice kit will not fit 1/0 solid conductor

† For copper tape shielded cables this range can be extended to 750kcmil

Connector Suffix Selection (add suffix to catalog number)

Conductor Size	Stranded or Compressed Conductor
2	-2
1	-1
1/0	-1/0
2/0	-2/0
4/0	-4/0
250	-250
350	-350
500	-500
750	-750
1000	-1000

For compact or solid conductors add -C or -S to the suffix selected from the Stranded or Compressed conductor column.

Notes:

1. When selecting kits at the top end of the use range, check for proper fit over jacket. Also consider the increased diameter associated w/CN wire folded back over cable jacket.

2. The selection guide is based on jacketed concentric neutral cables. When using LC or copper tape shield cables, the range may be extended upwards.

3. The 15SDJBe and 25SDJBe kits contain a #3 equivalent shielding braid. All other splices contain a 1/0 AWG equivalent shielding braid.

4. The lower case "e" in the part numbers 15 thru 28kV indicates the splices have a built-in electrode. This eliminates the need to apply high permittivity mastic over the connector. The three larger (H, IP and I) 35kV splices are supplied with high permittivity mastic.

5. Connectors can be included by selecting the appropriate part number suffix. Standard connectors are copper or aluminum and size transitions are also available.

6. Prysmian Elasppeed splices meet IEEE 404 specifications.

7. Contact your Prysmian sales representative for more information, including data on size transition limits.

Example

15kV, 175 mil, 750 kcmil Copper with connector: 15SIJCe-750 CU



MV AIRGUARD™ Cable 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.

AIRGUARD™ Splices 3/C

5 kV Splices	
Product Number	Cable Range
AGJ3CD5H	1/0 - 250
AGJ3CE5H	350 - 500
AGJ3CF5H	750-1000

15 kV Splices	
Product Number	Cable Range
AGJ3CD15H	#2 - 2/0
AGJ3CE15H	4/0 - 250
AGJ3CF15H	350 - 500
AGJ3CIP15H	750 - 1000

25 kV Splices	
Product Number	Cable Range
AGJ3CF25H	#1 - 350
AGJ3CIP25H	500 - 750
AGJ3CI25H	1000

35 kV Splices	
Product Number	Cable Range
AGJ3CH35H	1/0 - 250
AGJ3CIP35H	350 - 500
AGJ3CI35H	750 - 1000

Connector Suffix Selection (add suffix to catalog number)

Conductor Size	Stranded or Compressed	Conductor
2		-2
1		-1
1/0		-1/0
2/0		-2/0
4/0		-4/0
250		-250
350		-350
500		-500
750		-750
1000		-1000

AIRGUARD™ Splices 1/C

5 kV Splices	
Product Number	Cable Range
AGJ1CD5H	1/0 - 250
AGJ1CE5H	350 - 500
AGJ1CF5H	750-1000

15 kV Splices	
Product Number	Cable Range
AGJ1CD15H	#2 - 2/0
AGJ1CE15H	4/0 - 250
AGJ1CF15H	350 - 500
AGJ1CIP15H	750 - 1000

25 kV Splices	
Product Number	Cable Range
AGJ1CF25H	#1 - 350
AGJ1CIP25H	500 - 750
AGJ1CI25H	1000

35 kV Splices	
Product Number	Cable Range
AGJ1CH35H	1/0 - 250
AGJ1CIP35H	350 - 500
AGJ1CI35H	750 - 1000

For compact or solid conductors add -C or -S to the suffix selected from the Stranded or Compressed conductor column.

1. Connectors can be included by selecting the appropriate part number suffix. Standard connectors are copper or aluminum and size transitions are also available.
2. Prysmian Elaseped splices meet IEEE 404 specifications.
3. Contact your Prysmian sales representative for more information, including data on size transition limits.

MV Splices for AIR BAG™ and other traditional Non-Armored Cable Splices

Prysmian's AIR BAG™ cable is a high performance alternative to traditional aluminum interlocked armored cable. Prysmian's Elasppeed® splice technology is made with EPR insulation just like the cable core to provide a continuous operating temperature of 105°C. Connectors can be supplied in the kit as required.

3/C Splices

5 kV Splices	
Product Number	Cable Range
ABJ3CD5H	1/0 - 250
ABJ3CE5H	350 - 500
ABJ3CF5H	750-1000

15 kV Splices	
Product Number	Cable Range
ABJ3CD15H	#2 - 2/0
ABJ3CE15H	4/0 - 250
ABJ3CF15H	350 - 500
ABJ3CIP15H	750 - 1000

25 kV Splices	
Product Number	Cable Range
ABJ3CF25H	#1 - 350
ABJ3CIP25H	500 - 750
ABJ3CI25H	1000

35 kV Splices	
Product Number	Cable Range
ABJ3CH35H	1/0 - 250
ABJ3CIP35H	350 - 500
ABJ3CI35H	750 - 1000

1/C Splices

5 kV Splices	
Product Number	Cable Range
ABJ1CD5H	1/0 - 250
ABJ1CE5H	350 - 500
ABJ1CF5H	750-1000

15 kV Splices	
Product Number	Cable Range
ABJ1CD15H	#2 - 2/0
ABJ1CE15H	4/0 - 250
ABJ1CF15H	350 - 500
ABJ1CIP15H	750 - 1000

25 kV Splices	
Product Number	Cable Range
ABJ1CF25H	#1 - 350
ABJ1CIP25H	500 - 750
ABJ1CI25H	1000

35 kV Splices	
Product Number	Cable Range
ABJ1CH35H	1/0 - 250
ABJ1CIP35H	350 - 500
ABJ1CI35H	750 - 1000

Connector Suffix Selection (add suffix to catalog number)

Conductor Size	Stranded or Compressed	Conductor
2		-2
1		-1
1/0		-1/0
2/0		-2/0
4/0		-4/0
250		-250
350		-350
500		-500
750		-750
1000		-1000

For compact or solid conductors add -C or -S to the suffix selected from the Stranded or Compressed conductor column.

1. Connectors can be included by selecting the appropriate part number suffix. Standard connectors are copper or aluminum and size transitions are also available.
2. Prysmian Elasppeed® splices meet IEEE 404 specifications.
3. Contact your Prysmian sales representative for more information, including data on size transition limits.

Armored and TECK Cable Splices

Prysmian has developed a quick and easy splice for three conductor armored cable. Prysmian's splices cover the full range of traditional aluminum interlocked armored MV-105 cables as well as TECK Cable. Connectors can be supplied in the kit as required.

3/C Armored Cable Splices

5 kV Splices	
Product Number	Cable Range
AJ3CD5H	1/0 - 250
AJ3CE5H	350 - 500
AJ3CF5H	750-1000

15 kV Splices	
Product Number	Cable Range
AJ3CD15H	#2 - 2/0
AJ3CE15H	4/0 - 250
AJ3CF15H	350 - 500
AJ3CIP15H	750 - 1000

25 kV Splices	
Product Number	Cable Range
AJ3CF25H	#1 - 350
AJ3CIP25H	500 - 750
AJ3CI25H	1000

35 kV Splices	
Product Number	Cable Range
AJ3CH35H	1/0 - 250
AJ3CIP35H	350 - 500
AJ3CI35H	750 - 1000

1/C Armored Cable Splices

5 kV Splices	
Product Number	Cable Range
AJ1CD5H	1/0 - 250
AJ1CE5H	350 - 500
AJ1CF5H	750-1000

15 kV Splices	
Product Number	Cable Range
AJ1CD15H	#2 - 2/0
AJ1CE15H	4/0 - 250
AJ1CF15H	350 - 500
AJ1CIP15H	750 - 1000

25 kV Splices	
Product Number	Cable Range
AJ1CF25H	#1 - 350
AJ1CIP25H	500 - 750
AJ1CI25H	1000

35 kV Splices	
Product Number	Cable Range
AJ1CH35H	1/0 - 250
AJ1CIP35H	350 - 500
AJ1CI35H	750 - 1000

Connector Suffix Selection (add suffix to catalog number)

Conductor Size	Stranded or Compressed	Conductor
2		-2
1		-1
1/0		-1/0
2/0		-2/0
4/0		-4/0
250		-250
350		-350
500		-500
750		-750
1000		-1000

For compact or solid conductors add -C or -S to the suffix selected from the Stranded or Compressed conductor column.

1. Connectors can be included by selecting the appropriate part number suffix. Standard connectors are copper or aluminum and size transitions are also available.
2. Prysmian Elaseed® splices meet IEEE 404 specifications.
3. Contact your Prysmian sales representative for more information, including data on size transition limits.

MV Branch Joints

Prysmian's Branch joint (or also commonly called a "wye" splice) is an excellent method for splitting the main feeder cable into two cables that can be directed to other loads. The branch joint utilizes the Elaseed® technology (with EPR insulation) and a shear bolt connector to make a very quick and reliable connection. The branch joint can accommodate several conductor sizes (4/0 AWG to 500 kcmil up to 25kV) allowing one joint to fill many applications while maintaining a continuous operating temperature of 105°C. Prysmian's Branch Joints meet IEEE 404 specifications. Connectors can be supplied in the kit as required.

Part Number	Cable Size Range	Voltage
15WF4/0-500	4/0 AWG - 500 kcmil	up to 25kV



MV Transition Splices

Prysmian MV Transition splices are designed to give the reliability required when splicing three or single conductor paper lead cable (PILC) to three or one solid dielectric polymeric cables.

The major cold shrink components of the splice kits are manufactured from specialty formulated EPR materials. These components when installed shrink uniformly to create a joint that not only can withstand high electrical stresses, but also performs well against high physical stresses caused by internal oil pressure and external water pressure. Additionally, the trifurcating break out boot and splice jackets exhibit excellent resistance to abrasion. Prysmian's Transition splice meets or exceeds IEEE 404 and covers voltages from 5kV to 28kV. Connectors can be supplied in the kit as required.

1/C Cables

15 kV Splices

Product Number	Cable Range
15-E-T1	PILC (#1 - 4/0 AWG) to 1/C (1/0 - 250kcmil)
15-F-T1	PILC (4/0 - 500 kcmil) to 1/C (4/0 - 600 kcmil)
15-IP-T1	PILC (500 - 750 kcmil) to 1/C (350 - 750 kcmil)

25 kV Splices

Product Number	Cable Range
25-E-T1	PILC (#2 - 2/0 AWG) to 1/C (#2 - 2/0 AWG)
25-F-T1	PILC (4/0 - 250 kcmil) to 1/C (4/0 - 350 kcmil)
25-IP-T1	PILC (350 - 750 kcmil) to 1/C (4/0 - 750 kcmil)

3/C Cables

15 kV Splices

Product Number	Cable Range
15-E-T3	PILC (1/0 - 4/0 AWG) to 1/C (1/0 - 250 kcmil)
15-F-T3	PILC (4/0 - 500 kcmil) to 1/C (4/0 - 600 kcmil)
15-IP-T3	PILC (500 - 750 kcmil) to 1/C (350 - 750 kcmil)

25 kV Splices

Product Number	Cable Range
25-E-T3	PILC (#1 - 1/0 AWG) to 1/C (#1 - 2/0 AWG)
25-F-T3	PILC (4/0 - 350 kcmil) to 1/C (4/0 - 500 kcmil)
25-IP-T3	PILC (350 - 750 kcmil) to 1/C (250 - 750 kcmil)

Note: The above sizes are based on industry standard 100% cable insulation levels. Because of the variables covering many PILC cables, please contact Prysmian with cable details before making a final kit selection.



LV AIRGUARD™ Splices

Prysmian's three conductor LV AIRGUARD™ splices provide a traditional heat shrink splice with an overall heat shrink jacket. A mechanical connector is provided to ground the AIRGUARD™ layer. Connectors can also be provided in the kit as required.

600V	
Part Number	Cable Size Range
15WF4/0-500	#8-#2 AWG
AGJ3CB600V	#1-4/0 AWG
AGJ3CC600V	250-500 kcmil
AGJ3CD600V	750-1000 kcmil

LV Armored Cables

Prysmian's three conductor armored cable splices are comprised on heat shrinkable components to provide a quick and easy cable splice. Components are also provided to ground the armor layer within the cable. Connectors can be provided in the kit as required.

600V	
Part Number	Cable Size Range
AJ3CA600V	#8-#2 AWG
AJ3CB600V	#1-4/0 AWG
AJ3CC600V	250-500 kcmil
AJ3CD600V	750-1000 kcmil

LV AIR BAG™ Cable

Prysmian's three conductor LV AIR BAG™ splices provide a traditional heat shrink splice with an overall heat shrink jacket. Connectors can also be provided in the kit as required.

600V	
Part Number	Cable Size Range
ABJ3CA600V	#8-#2 AWG
ABJ3CB600V	#1-4/0 AWG
ABJ3CC600V	250-500 kcmil
ABJ3CD600V	750-1000 kcmil





SECTION 2

MV TERMINATIONS

MV 1/C Terminations

Connectors can be supplied in the kit as required.

Termination Description			Conductor Size Range				
INDOOR	Cable Range (Insulation)	Number of Sheds	5kV 100%	8kV 100% 5kV 133%	8kV 133%	15kV 100%	15kV 133%
PICT15X1	0.64" - 1.12"	None	3/0 - 500	2/0-400	1/0 - 350	#2 -300	#2 -3/0
PICT15X2	0.84" - 1.38"	None	350 - 750	350 -750	250 - 650	4/0-600	4/0 - 500
PICT15X4	1.30" - 2.10"	None	1000 - 2000	800 - 2000	750 - 1750	750 -1500	600 -1500
OUTDOOR	Cable Range (Insulation)	Number of Sheds	5kV 100%	8kV 100% 5kV 133%	8kV 133%	15kV 100%	15kV 133%
PCT15X1	0.64" - 1.12"	4	3/0 - 500	2/0-400	1/0 - 350	#2 -300	#2 -3/0
PCT15X2	0.84" - 1.38"	4	350 - 750	350 -750	250 - 650	4/0-600	4/0 - 500
PCT15X4	1.30" - 2.10"	4	1000 - 2000	800 - 2000	750 - 1750	750 -1500	600 -1500
			25/28kV 100%	25kV 133%			
PCT25X2	0.84" - 1.38"	6	#1 - 350	#1 - 250			
PCT25X4	1.30" - 2.10"	6	500 -1250	350 -1250			
			35kV 100%				
PCT35X2	0.84" - 1.38"	8	1/0 - 250				
PCT35X4	1.30" - 2.10"	8	250 - 1000				

X = J (Jacketed Concentric Neutral), M (Metallic tape), L (LC Shield® kit includes LC Shield® Connector)

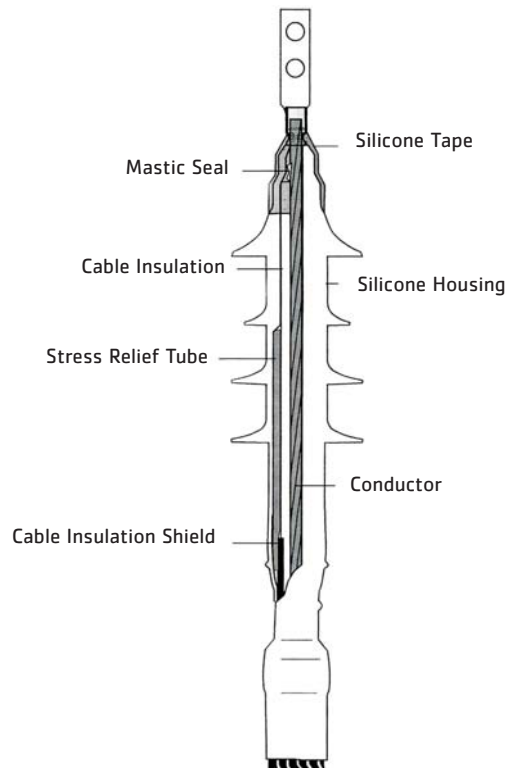
Example: PCT15M2 = 15kV outdoor, metallic tape, insulation diameter (0.84-1.38)

PCT & PICT Series

Prysmian offers a line of indoor and outdoor polymer terminations available for 15kV, 25/28kV and 35kV applications. The Elaseed® outdoor PCT (with sheds) and indoor PICT (without sheds) are medium voltage cold shrink polymer terminations designed for fast, easy reliable installation.

The Elaseed® terminations shrink evenly on the cable as the inner support core is removed. No complicated assembly or heat is required. Simply pull out the support core and allow the termination to shrink in order to create a tight void free interface between the termination and the cable. This also provides a superior moisture seal.

All of the Prysmian PCT and PICT terminations meet or exceed the stringent requirements mandated by the IEEE standard 48 for Class 1 terminations.



MV 3/C 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 3/C 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.

5 kV Terminations (Indoor or Outdoor)

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

*Note: Heat shrink versions

X = O for Outdoor

I for Indoor

15 kV Terminations (Indoor or Outdoor)

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

X = O for Outdoor

I for Indoor

25 kV Terminations (Indoor and Outdoor)

Product Number	Cable Range
AGT3CB25	#1 - 250
AGT3CC25	350 - 1000

Shipped as outdoor terminations but can be used indoors.

35 kV Terminations (Indoor and Outdoor)

Product Number	Cable Range
AGT3CA35	1/0 - 4/0
AGT3CB35	250 - 1000

Shipped as outdoor terminations but can be used indoors.

MV 3/C Armored and TECK Cable Terminations

Prysmian's 3/C armored cold shrink terminations can be used on Armored and TECK Cables. Cold shrink terminations are fully suited for industrial applications because heat is not required to shrink down the termination body.

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

5 kV Terminations (Indoor or Outdoor)	
Product Number	Cable Range
AT3CA5-X	1/0 - 2/0
AT3CB5-X	4/0 - 500
AT3CC5-X	750 - 1000

X = O for Outdoor
I for Indoor

15 kV Terminations (Indoor or Outdoor)	
Product Number	Cable Range
AT3CA15-X	#2 - 2/0
AT3CB15-X	4/0 - 500
AT3CC15-X	750 - 1000

X = O for Outdoor
I for Indoor

25 kV Terminations (Indoor and Outdoor)	
Product Number	Cable Range
AT3CB25	#1 - 250
AT3CC25	350 - 1000

* Shipped as outdoor terminations but can be used indoors.

35 kV Terminations (Indoor and Outdoor)	
Product Number	Cable Range
AT3CB35	1/0 - 4/0
AT3CB35	250 - 1000

* Shipped as outdoor terminations but can be used indoors.

MV 3/C AIR BAG™ and other Non-Armored Terminations

Prysmian's 3/C AIR BAG™ terminations can be used on traditional non-armored 3/C shielded cables. Cold shrink terminations are fully suited for industrial applications because heat is not required to shrink down the termination body.

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

5 kV Terminations (Indoor or Outdoor)

Product Number	Cable Range
ABT3CA5-X	1/0 - 350
ABT3CB5-X	350 - 750
ABT3CC5-X	1000

X = 0 for Outdoor
I for Indoor

15 kV Terminations (Indoor or Outdoor)

Product Number	Cable Range
ABT3CA15-X	#2 - 2/0
ABT3CB15-X	4/0 - 500
ABT3CC15-X	750 - 1000

X = 0 for Outdoor
I for Indoor

25 kV Terminations (Indoor and Outdoor)

Product Number	Cable Range
ABT3CB25	#1 - 250
ABT3CC25	350 - 1000

* Shipped as outdoor terminations but can be used indoors.

35 kV Terminations (Indoor and Outdoor)

Product Number	Cable Range
ABT3CA35	1/0 - 4/0
ABT3CB35	250 - 1000

* Shipped as outdoor terminations but can be used indoors.

LV AIRGUARD™/AIR BAG™ and other 3/C LV Cable Terminations

LV Termination kits include all of the necessary materials to terminate traditional 3/C LV non-shielded cables.

Rejacketing material is included in the kit to provide mechanical protection of the insulation as the cable exits the break out boot.

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

3/C LV AIRGUARD™ TERMINATIONS

600V - 2.4kV Terminations (Indoor and Outdoor)

Product Number	Cable Range
AGT3CALV-HS*	#2 - 2/0
AGT3CBLV	3/0 - 500
AGT3CCLV	750 - 1000

*Heat Shrink Version

3/C LV AIR BAG™ TERMINATIONS

600V - 2.4kV Terminations (Indoor and Outdoor)

Product Number	Cable Range
ABT3CALV-HS*	#2 - 2/0
ABT3CBLV	3/0 - 500
ABT3CCLV	750 - 1000

*Heat Shrink Version



SECTION 3

CONNECTORS & LUGS

Aluminum Compression Connectors

Prysmian can supply a complete kit that can also include connectors. Both aluminum and copper are available. Non standard sizes available upon request.

Aluminum Compression Connectors

Part Number	Description
2 - AL	#2 AWG
1/0 - AL	1/0 AWG
2/0 - AL	2/0 AWG
3/0 - AL	3/0 AWG
4/0 - AL	4/0 AWG
250 - AL	250 MCM
350 - AL	350 MCM
500 - AL	500 MCM
750 - AL	750 MCM
1000 - AL	1000 MCM
1250 - AL	1250 MCM



Aluminum Compression 2-Hole Lugs

Part Number	Description
2 - AL2L	#2 AWG
1/0 - AL2L	1/0 AWG
2/0 - AL2L	2/0 AWG
3/0 - AL2L	3/0 AWG
4/0 - AL2L	4/0 AWG
250 - AL2L	250 MCM
350 - AL2L	350 MCM
500 - AL2L	500 MCM
750 - AL2L	750 MCM
1000 - AL2L	1000 MCM
1250 - AL2L	1250 MCM



Copper Compression Connectors

Prysmian can supply a complete kit that can also include connectors. Both aluminum and copper are available. Non standard sizes available upon request.

Copper Compression Connectors

Part Number	Description
2 - CU	#2 AWG
1/0 - CU	1/0 AWG
2/0 - CU	2/0 AWG
3/0 - CU	3/0 AWG
4/0 - CU	4/0 AWG
250 - CU	250 MCM
350 - CU	350 MCM
500 - CU	500 MCM
750 - CU	750 MCM
1000 - CU	1000 MCM
1250 - CU	1250 MCM



Copper Compression 2-Hole Lugs

Part Number	Description
2 - CU2L	#2 AWG
1/0 - CU2L	1/0 AWG
2/0 - CU2L	2/0 AWG
3/0 - CU2L	3/0 AWG
4/0 - CU2L	4/0 AWG
250 - CU2L	250 MCM
350 - CU2L	350 MCM
500 - CU2L	500 MCM
750 - CU2L	750 MCM
1000 - CU2L	1000 MCM
1250 - CU2L	1250 MCM



Shear Bolt Connectors

Prysmian has fully developed a new range of Medium Voltage Mechanical Connectors to complement the Elaseed® technology. These are manufactured using a state of the art manufacturing technology.

The Connector test laboratory is capable of conducting load cycle, mechanical (tensile) and short circuit testing in accordance with BS EN 61238. The load cycle test bays are fully enclosed and PID temperature controlled for maximum test precision.

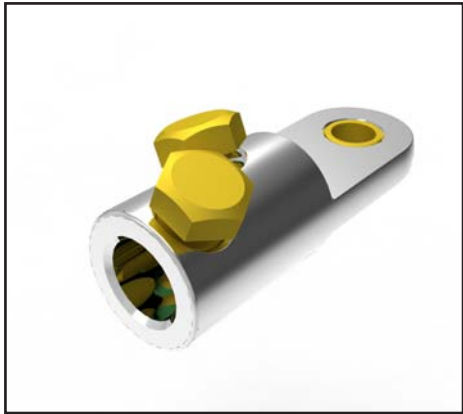
Shear bolt connectors allow the ability to stock one connector for several sizes.

Aluminum Shear Bolt Connectors	
Part Number	Description
2-4/0 - ALSB	#2 to 4/0 AWG
4/0-500- ALSB	4/0 to 500 MCM
750-1000 - ALSB	750 to 1000 MCM



Aluminum "Split Type" Shear Bolt Connector	
Part Number	Description
2-4/0 - ALSSB	#2 to 4/0 AWG (split type)
4/0-500- ALSSB	4/0 to 500 MCM (split type)
750-1000 - ALSSB	750 to 1000 MCM (split type)

Aluminum Shear Bolt 1-Hole Lugs	
Part Number	Description
2-4/0 - ALSB1	#2 to 4/0 AWG
4/0-500- ALSB1	4/0 to 500 MCM
750-1000 - ALSB1	750 to 1000 MCM



Aluminum Shear Bolt 2-Hole Lugs	
Part Number	Description
2-4/0 - ALSB2	#2 to 4/0 AWG
4/0-500- ALSB2	4/0 to 500 MCM
750-1000 - ALSB2	750 to 1000 MCM





SECTION 4

GROUNDING KITS

Grounding Braid Kits

Prysmian provides grounding kits that can be used on a variety of cable designs. Please call Prysmian to help identify the proper grounding kit for the intended cable. Grounding kits include all of the necessary components.

Standard grounding kits include a 24 inch tin coated flat copper braid with a solder block. Mastic and a constant force spring is also included to complete the grounding assembly. The part number is completed by specifying the proper constant force spring and adding this to the end of the number sequence. For shield diameters where two or three sizes are available, select the spring closest to the middle of the range.

Prysmian can also provide special grounding kits that would include longer braids as required. Please contact your local representative for assistance.

Standard Grounding Kits	
Part Number	Description
GB224	#2 AWG copper braid, 24 inches long
GB424	#4 AWG copper braid, 24 inches long
GB624	#6 AWG copper braid, 24 inches long
GB824	#8 AWG copper braid, 24 inches long

Constant Force Springs Size Range	
Part Number	Useful Size Range
CFS1	0.55" to 0.87"
CFS2	0.73" to 1.14"
CFS3	0.93" to 1.46"
CFS4	1.22" to 1.97"
CFS5	1.73" to 2.76"
CFS6	2.28" to 3.70"

Product example: For a grounding kit requiring a #4 AWG braid that will be used on a cable with a shield OD of 1.25" the finished product number is GB424-CFS3.

AIRGUARD™ Grounding Kits	
Part Number	Description
AGJ-GB460	For AIRGUARD™ splices, the kit includes two mechanical connectors for grounding the AIRGUARD™ layer, four clamps and 60 inches of #4 AWG flat tin coated copper braid. Please specify the size of cable when ordering so that the proper clamps can be provided.
AGT-GB460	For AIRGUARD™ terminations, the kit includes one mechanical connector for grounding the AIRGUARD™ layer, two clamps and 60 inches of #4 AWG flat tin coated copper braid. Please specify the size of the cable when ordering so that the proper clamps can be provided.

LC Shield® Connectors

Prysmian’s patented LC Shield® Connectors are an industry standard for grounding cables with longitudinally corrugated copper tapes shields. The corrugated copper element is sized accordingly and also utilizes the same corrugations per inch as the cable to maximize the surface area of the connection. Two constant force springs are applied around the connector to complete the assembly.

Prysmian also offers LC Shield® Connectors with a drain wire that can be attached to a separable connector (pre-molded elbow).

Part Number	Description
52-80-104	#1 AWG copper wire welded to a tin coated LC Shield® adaptor which can be trimmed to size.
52-80-120	#2 AWG copper wire welded to a tin coated LC Shield® adaptor which can be trimmed to size. Also included is a #12 tin coated copper drain wire for separable connectors.

Note: LC Shield® connectors should be trimmed to create a 1/4 inch gap when wrapped around the LC shield® of the cable to which it will be applied. This will allow for proper clearances for expansion and contraction of the cable through out its service life.



Part Number: 52-80-104



Part Number: 52-80-120





SECTION 5

TOOLS

Cable Preparation Tools

Prysmian is proud to offer some of the industry's finest cable preparation tools. The tools can be used to remove cable jackets on concentric neutral cable, flat strap neutrals, PILC cables and AIRGUARD™ cables.

Tools	
Product Number	Cable OD Range
PG2-MV-2020	0.80" - 1.40"
PG3-MV-1018	1.00" - 2.00"
PG3-MV-2833	1.00" - 2.00"
PG4-MV-2833	1.85" - 3.00"
PG5-MV-3535	2.55" - 3.70"
PG6-MV-3535	3.14" - 4.90"



Note: The last number within the part number indicates the blade depth. The first two digits indicate the depth in millimeters of cut for the circumferential cut and the last two digits indicate the depth in millimeters of cut for the longitudinal cut.

Example: The PG4-MV-2833 contains four circumferential blades (MTC4 type) with a depth of 2.8mm and one longitudinal blade (MTL4 type) with a depth of 3.3mm

Replacement Blades	
Part Number	Notes
MTC3 - 1.0	Four blades per tool
MTL3 - 1.8	One blade per tool
MTC3 - 2.8	Four blades per tool
MTL3 - 3.3	One blade per tool
MTC4 - 2.8	Four blades per tool
MTL4 - 3.3	One blade per tool
MTC5 - 3.5	Four blades per tool
MTL5 - 3.5	One blade per tool
MTC6 - 3.5	Four blades per tool
MTL6 - 3.5	One blade per tool

Other Available Tools	
Product Number	Description
EVP	Lead Lifting Tool





SECTION 6

MISCELLANEOUS ACCESSORIES

Miscellaneous Accessories

The following accessories are available through Prysmian for convenient access to materials associated to terminating and splicing MV cable.

Constant Force Springs

Part Number	Description
CFS1	Constant Force Spring (see Grounding kit section for proper size)
CFS2	Constant Force Spring (see Grounding kit section for proper size)
CFS3	Constant Force Spring (see Grounding kit section for proper size)
CFS4	Constant Force Spring (see Grounding kit section for proper size)
CFS5	Constant Force Spring (see Grounding kit section for proper size)
CFS6	Constant Force Spring (see Grounding kit section for proper size)

Heat Shrink Tubing

Part Number	Description
53728	Heat Shrink Tube D=1"
53729	Heat Shrink Tube D=1.5"
53730	Heat Shrink Tube D=2"

Jacket Repair Sleeves

Product Number	Jacket Repair Range	
	Min (in)	Max (in)
CRS 052-60	0.25	1.80
CRS 076-60	0.95	2.55
CRS 100-60	1.30	3.40
CRS 139-60	1.65	4.70
CRS 185-60	2.50	6.25
CRS 210-60	2.50	7.10

Repair Sleeve comes in 60 inch standard sizes.

Cable Glands for AIRGUARD™ or AIR BAG™

Prysmian has been making cable glands for decades. We are proud to introduce our compression style cable gland for AIRGUARD™ Cable, AIR BAG™ Cable and traditional three conductor armored/non-armored cable. In order to provide the proper cable gland, please provide the cable dimensions for the cable outside diameter and in the case of armored constructions please provide the outside diameter of the metallic armor. If Prysmian cable is being used, the Prysmian cable part number is acceptable.



CABLE and ACCESSORIES WARRANTY CLAUSE

The Seller warrants that for a period of one (1) year from the date of delivery (the "Warranty Period"), the Goods manufactured and provided by Seller provided hereunder shall comply in all material respects with the requirements and specifications of the Purchase Order and be free from defects due to faulty cable or accessory design, materials or workmanship. Notwithstanding the foregoing, the Seller shall not be held responsible for defects caused by lack of maintenance, unintended use, misuse, abuse, neglect, improper or unsuitable installation, external accidents, alterations or repairs made or performed by any person or entity not under the control of Seller, or any other causes beyond the reasonable control of the Seller. Third party warranties will pass directly to the owner.

The foregoing warranties shall only be effective provided that the following conditions precedent have been met by Buyer:

- (i) The Goods are used in accordance with conditions covered by the design specifications and operated within recognized and applicable industry specifications and standards.
- (ii) The Goods are maintained and operated in accordance with Seller's recommended procedures, test protocols and with prudent industry practices.

During the Warranty Period, the Seller shall, at its sole option and within a reasonable period of time, repair or replace an, Goods which are reasonably rejected by the Buyer as failing to conform to the requirements and specifications of the Purchase Order the liability of the Seller shall in no case include the cost of removal, installation or reinstallation of any Good supplied by the Seller, nor shall Seller's liability extend to the cost of labor to remove and install Goods to be repaired or replaced hereunder.

All the replacements by the Seller under the foregoing provisions shall be free of charge F.O.B. point called for in the Purchase Order. Goods for which replacement has been made under the foregoing provision shall become the property of the Seller and be returned to the Seller by the Buyer F.O.B. Delivery Point as giving in the Purchase Order.

Any claim for breach of Seller's warranties shall be deemed waived unless written notice of such claim is given to Seller within the warranty period, within thirty (30) days after the date on which the claimed defect is discovered.

THE WARRANTIES AND REMEDIES SET FORTH ABOVE CONSTITUTE THE SOLE WARRANTIES OF THE SELLER AND THE BUYER'S SOLE REMEDIES IN THE EVENT OF A BREACH OF SUCH WARRANTIES BY THE SELLER. THE WARRANTIES SET FORTH ABOVE ARE IN LIEU OF, AND SELLER DISCLAIMS ANY AND ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY OR AT COMMON LAW, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SELLER SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR INDIRECT DAMAGES INCURRED BY BUYER OR ANYONE CLAIMING THROUGH BUYER.

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