

5-35kV ColdFit™ Medium Voltage Terminations



ColdFit™ Medium Voltage Cold Shrink Terminations



DESIGN FEATURES

UNIT CONSTRUCTION

Both the silicone polymer housing and the stress relief material are assembled on a spiral support tube. This enables the installer to apply the termination on the cable with a high degree of ease and accuracy. The top mastic seal is built into the ColdFit™ termination.

EXTERNAL HOUSING

The silicone polymer housing has a superior memory along with excellent tracking and weathering resistance.

STRESS CONTROL

Stress control is maintained using a material with a high permittivity constant (High K), which provides a uniform stress relief in critical areas.

RANGE-COVERING CAPABILITY

The PCT and PICT terminations cover a broad range of cable sizes and voltages with the fewest number of units.

SHED DESIGN

Three designs for superior performance under all conditions.

- Four sheds for 15kV outdoor.
- Four sheds for 25/28kV outdoor.
- Eight sheds for 35kV outdoor.

INSTALLATION

The ColdFit™ PCT and PICT termination series are designed to give consistent and proper positioning of the unit. Additionally, the pull-down base gives greater flexibility and sealing the base of the termination.

SPECIFICATIONS AND RATINGS

IEEE 48 CLASS 1

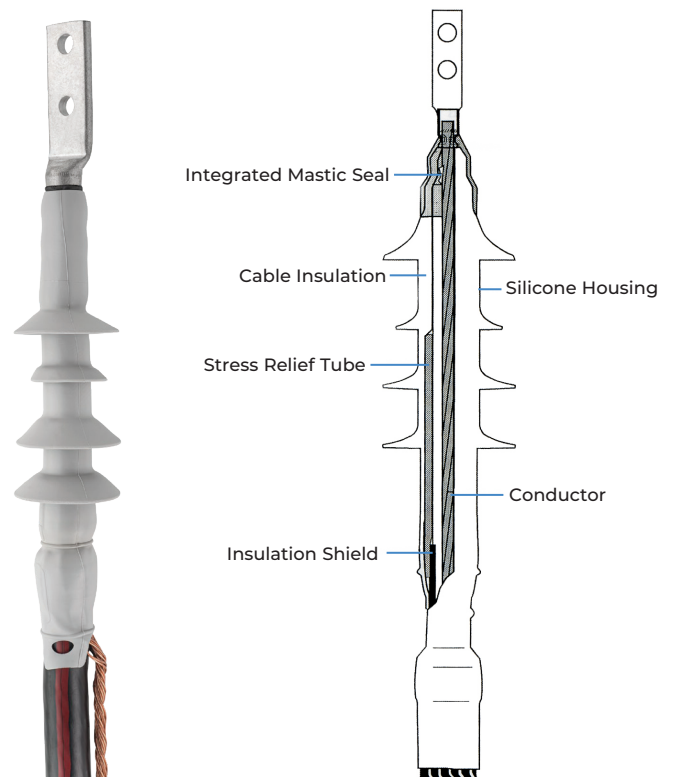
RUS Listed

DESCRIPTION

Prysmian offers a new line of indoor and outdoor polymer terminations available for 5kV, 15kV, 25/28kV and 35kV applications. The ColdFit™ outdoor PCT (with sheds) and indoor PICT (without sheds) are medium voltage cold shrink polymer terminations designed for fast, easy, and reliable installation.

The ColdFit™ termination shrinks evenly on the cable as the inner support core is removed. The top mastic water seal is built into the ColdFit™ termination. No complicated assembly or heat is required. Simply pull out the support core and allow the termination to shrink to create a tight void free interface between the termination and the cable. This also provides a superior moisture seal.

All the Prysmian PCT and PICT terminations meet or exceed the stringent requirements mandated by the IEEE standard 48 for class 1 specification and can operate continuously at 105° C.

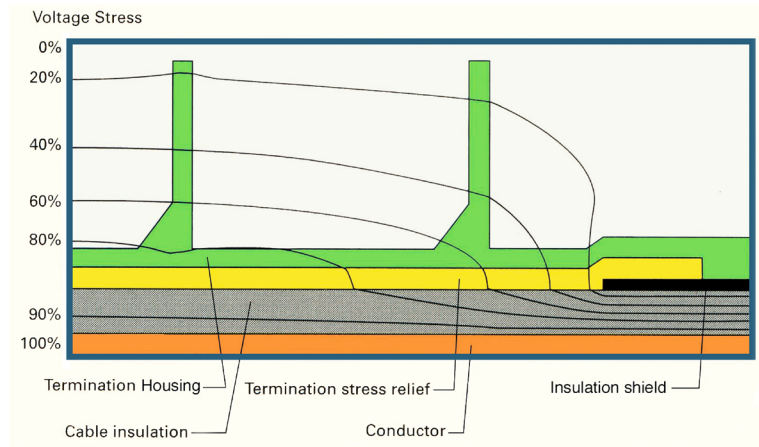


ColdFit™ Medium Voltage Cold Shrink Terminations

Technical Specifications

Type	PICT15	PCT15	PCT25	PICT35
Voltage Rating (kV)	15	15	25 / 28	35
Number of Sheds	0	4	4	8
Minimum Strike Distance (In)	8.4	11.6	14.5	16.8
Creepage Distance (In)	8.4	15.0	22.8	30.0
Max. Design Voltage to Ground (kV)	9.5	9.5	16	22
(Partial Discharge)	13	13	21	30
Lightning Impulse (BIL)	110	110	150	200
10 Sec Wet (60 Hz) (kV)	-	45	60	80
1 Minute Dry (60 Hz) (kV)	50	50	65	90
6 Hour Dry (60 Hz) (kV)	35	35	55	75
DC Withstand 15 Min. Dry (kV)	75	75	105	140

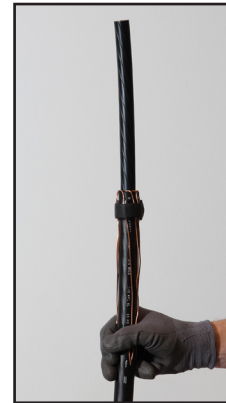
Stress Distribution



The PCT and PICT terminations provide electrical stress control by utilizing a flexible tube with a high permittivity dielectric constant. The stress relief tube is pre-assembled under the polymer housing. As the core is removed, both the tube and the housing shrink onto the cable in exactly the right position. When energized the electrical field is refracted through the stress relief tube and housing as shown above. The mastic top seal is integrated into the termination body.

Ease of Installation

1. Final Cable Prep



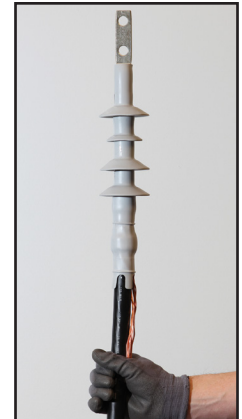
2. Placement of Termination



3. Support Core Removal



4. Completed Assembly



Reference the table below to identify the Product Series that matches your application for guidance on proper product selection.

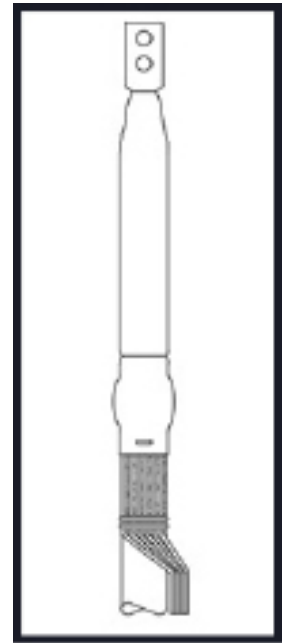
Termination Kit Selection Guide

Termination Product Offering	Selection Table	Typical Cable Types					Core		Indoor/Outdoor	
		Concentric Neutral (CN)	Jacketed CN	Flat Strap	Tape Shield	Longitudinally Corrugated	Single Core	Three Core	Indoor	Outdoor
PICT J ColdFit Series, Prysmian Cold Shrink Silicone Rubber Termination Kit for 5-15kV	Table 1	X	X	X			X		X	
PCT J ColdFit Series, Prysmian Cold Shrink Skirted Silicone Rubber Termination Kit for 5-35kV	Table 2	X	X	X			X			X
PICT M ColdFit Series, Prysmian Cold Shrink Silicone Rubber Termination Kit for 5-15kV with Ground Braid	Table 3				X	X	X		X	
PCT M ColdFit Series, Prysmian Cold Shrink Skirted Silicone Rubber Termination Kit for 5-35kV with Ground Braid	Table 4				X	X	X			X
PICT L ColdFit Series, Prysmian Cold Shrink Silicone Rubber Termination Kit for 5-15kV with LC Connector	Table 5					X	X		X	
PCT L ColdFit Series, Prysmian Cold Shrink Skirted Silicone Rubber Termination Kit for 5-35kV with LC Connector	Table 6					X	X			X

PICT J ColdFit™ Series, Prysmian Indoor Cold Shrink Silicone Rubber Termination Kit for 5-15kV



Prysmian Indoor Cold Shrink ColdFit™ Silicone Rubber Termination Kit contains a non-skirted, silicone rubber termination, qualified to IEEE 48 class 1 specification for indoor and weather protected applications. The kits are designed for terminating jacketed concentric neutral (JCN), concentric neutral (CN) and flat strap (FS) shielded power cables rated 5-15kV. Each kit contains enough material to make one single phase termination. Use the table below and the tables located in the appendix of this document to assemble the product catalog ID.



Number of Conductors	Single Conductor (1C)
Shielding Type	Concentric Neutral (CN) Jacketed Concentric Neutral (JCN) Flat Strap (FS)
Indoor / Outdoor	Indoor
Breakout Boot	No
Insulation Rejacketing	No
Voltage	5kV, 8kV, 15kV
Packaging	1 termination kit per case

Catalog ID (Example: PICT15J5CF-ALSB2L4-TSC5-1P)

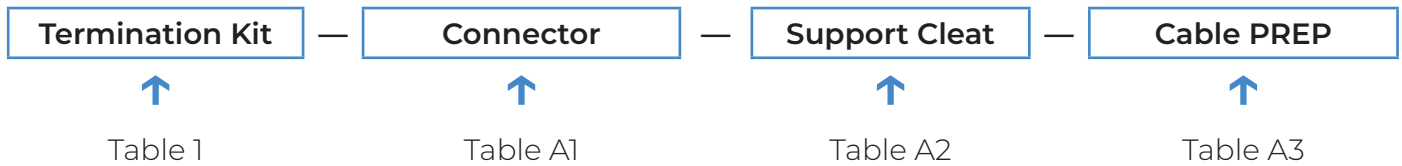


Table 1 – PICT J ColdFit™ Series

Catalog ID	Insulation Range	Conservative Cable Sizes (AWG / KCML)				
		5kV 100%	5kV 133% 8kV 100%	8kV 133%	15kV 100%	15kV 133%
PICT15J1CF	0.57 – 0.98	1/0 – 3/0	#1 – 3/0	#1 – 3/0	#2 – 3/0	#2 – 3/0
PICT15J2CF	0.67 – 1.10	4/0 – 250	3/0 – 250	1/0 – 250	#1 – 250	#2 – 250
PICT15J3CF	0.85 – 1.50	350 – 500	250 – 500	4/0 – 500	4/0 – 500	2/0 – 500
PICT15J5CF	1.08 – 1.97	750 – 1000	750 – 1000	500 – 1000	350 – 750	350 – 750
PICT15J6CF	1.41 – 2.56	Larger Sizes Available	Larger Sizes Available	Larger Sizes Available	1000 – 1500	1000 – 1500

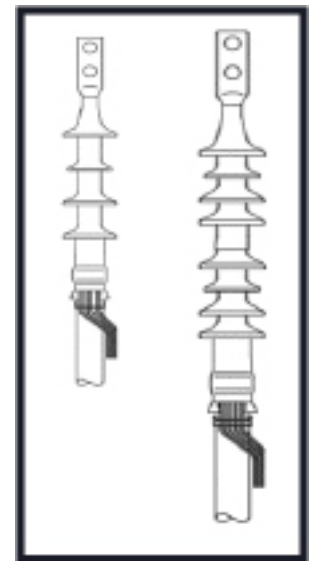
NOTE: Cable sizes listed are conservative estimates based on cable designed per ICEA S-94-649. Always confirm the termination falls within the cable parameters listed in the table. All dimensions are in INCHES.

PCT J ColdFit™ Series, Prysmian Outdoor Cold Shrink Silicone Rubber Termination Kit for 5-35kV



Prysmian Outdoor Cold Shrink ColdFit™ Silicone Rubber Termination Kit contains a skirted, silicone rubber termination, qualified to IEEE 48 class 1 specification for outdoor weather exposed applications. The kits are designed for terminating jacketed concentric neutral (JCN), concentric neutral (CN) and flat strap (FS) shielded power cables rated 5-35kV. Each kit contains enough material to make one single phase termination. Use the table below and the tables located in the appendix of this document to assemble the product catalog ID.

Number of Conductors	Single Conductor (1C)
Shielding Type	Concentric Neutral (CN) Jacketed Concentric Neutral (JCN) Flat Strap (FS)
Indoor / Outdoor	Outdoor
Breakout Boot	No
Insulation Rejacketing	No
Voltage	5kV, 8kV, 15kV, 25kV, 28kV, 35kV
Packaging	1 termination kit per case



Catalog ID (Example: PCT15J5CF-ALSB2L4-TSC5-1P)

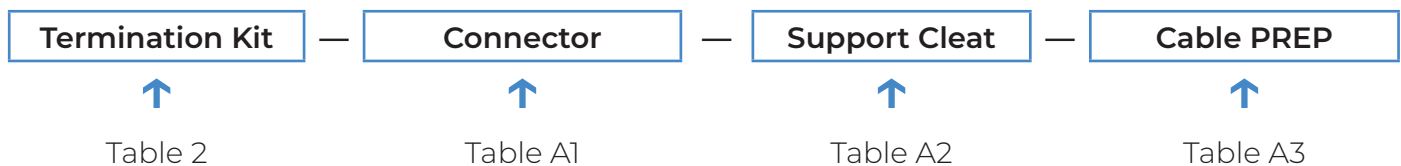


Table 2 – PCT J ColdFit™ Series

Catalog ID	Insulation Range	Conservative Cable Sizes (AWG / KCMIL)									
		5kV 100%	5kV 133% 8kV 100%	8kV 133%	15kV 100%	15kV 133%	25kV 100%	25kV 133% 28kV 100%	28kV 133%	35kV 100%	35kV 133%
PCT15J1CF	0.57 – 0.98	1/0 – 3/0	#1 – 3/0	#1 – 3/0	#2 – 3/0	#2 – 3/0	-	-	-	-	-
PCT15J2CF	0.67 – 1.10	4/0 – 250	3/0 – 250	1/0 – 250	#1 – 250	#2 – 250	-	-	-	-	-
PCT15J3CF	0.85 – 1.50	350 – 500	250 – 500	4/0 – 500	4/0 – 500	2/0 – 500	-	-	-	-	-
PCT15J5CF	1.08 – 1.97	750 – 1000	750 – 1000	500 – 1000	350 – 750	350 – 750	-	-	-	-	-
PCT15J6CF	1.41 – 2.56	Larger Sizes Available	Larger Sizes Available	Larger Sizes Available	1000 – 1500	1000 – 1500	-	-	-	-	-
PCT25J2CF	0.67 – 1.10	4/0 – 250	3/0 – 250	1/0 – 250	#1 – 250	#2 – 250	#2 – 2/0	#2 – 2/0	#2 – #1	-	-
PCT25J3CF	0.85 – 1.50	350 – 500	250 – 500	4/0 – 500	4/0 – 500	2/0 – 500	3/0 – 350	3/0 – 250	1/0 – 250	-	-
PCT25J5CF	1.08 – 1.97	750 – 1000	750 – 1000	500 – 1000	350 – 750	350 – 750	250 – 1000	250 – 1000	250 – 1000	-	-
PCT25J6CF	1.41 – 2.56	Larger Sizes Available	Larger Sizes Available	Larger Sizes Available	1000 – 1500	1000 – 1500	750 – 1500	750 – 1500	750 – 1500	-	-
PCT35J3CF	0.85 – 1.35	350 – 750	350 – 750	250 – 700	4/0 – 600	2/0 – 500	1/0 – 400	#4 – 300	#4 – 250	1/0 – 2/0	1/0
PCT35J5CF	1.08 – 1.70	500 – 1250	500 – 1250	500 – 1000	500 – 1000	350 – 1000	250 – 750	3/0 – 500	2/0 – 500	1/0 – 500	2/0 – 350
PCT35J6CF	1.41 – 2.20	1250 – 2000	1250 – 2000	1000 – 2000	1000 – 2000	750 – 2000	500 – 1500	500 – 1500	500 – 1500	400 – 1500	250 – 1250

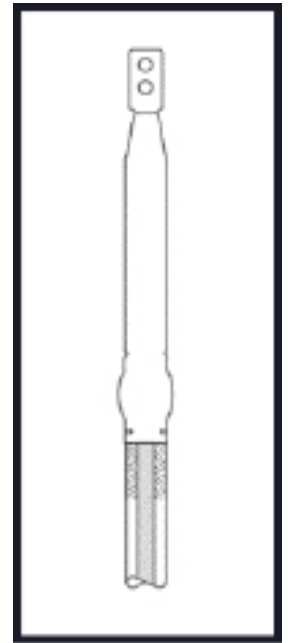
NOTE: Cable sizes listed are conservative estimates based on cable designed per ICEA S-94-649. Always confirm the termination falls within the cable parameters listed in the table. All dimensions are in INCHES.

PICT M ColdFit™ Series, Prysmian Indoor Cold Shrink Silicone Rubber Termination Kit for 5-15kV



Prysmian Indoor Cold Shrink ColdFit™ Silicone Rubber Termination Kit contains a non-skirted, silicone rubber termination, qualified to IEEE 48 class 1 specification for indoor and weather protected applications. The kits are designed for terminating jacketed tape shield (TS), and longitudinally corrugated (LC) shielded power cables rated 5-15kV. Each kit contains enough material to make one single phase termination and a ground braid to connect the shield to the system ground. Use the table below and the tables located in the appendix of this document to assemble the product catalog ID.

Number of Conductors	Single Conductor (1C)
Shielding Type	Tape Shield (TS) Longitudinally Corrugated (LC)
Indoor / Outdoor	Indoor
Breakout Boot	No
Insulation Rejacketing	No
Voltage	5kV, 8kV, 15kV
Packaging	1 termination kit per case



Catalog ID (Example: PICT15M5CF-ALSB2L4-TSC5-1P)

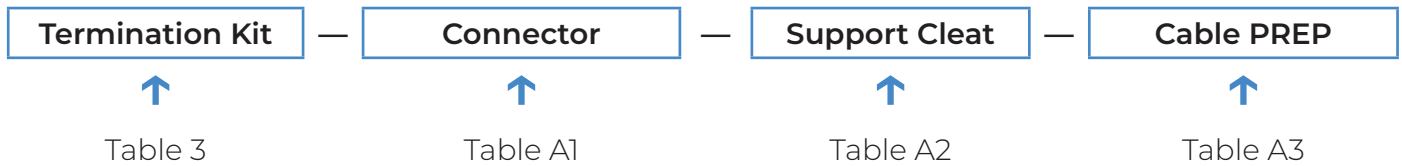


Table 3 – PICT M ColdFit™ Series

Catalog ID	Insulation Range	Conservative Cable Sizes (AWG / KCML)				
		5kV 100%	5kV 133% 8kV 100%	8kV 133%	15kV 100%	15kV 133%
PICT15M1CF	0.57 – 0.98	1/0 – 3/0	#1 – 3/0	#1 – 3/0	#2 – 3/0	#2 – 3/0
PICT15M2CF	0.67 – 1.10	4/0 – 250	3/0 – 250	1/0 – 250	#1 – 250	#2 – 250
PICT15M3CF	0.85 – 1.50	350 – 500	250 – 500	4/0 – 500	4/0 – 500	2/0 – 500
PICT15M5CF	1.08 – 1.97	750 – 1000	750 – 1000	500 – 1000	350 – 750	350 – 750
PICT15M6CF	1.41 – 2.56	Larger Sizes Available	Larger Sizes Available	Larger Sizes Available	1000 – 1500	1000 – 1500

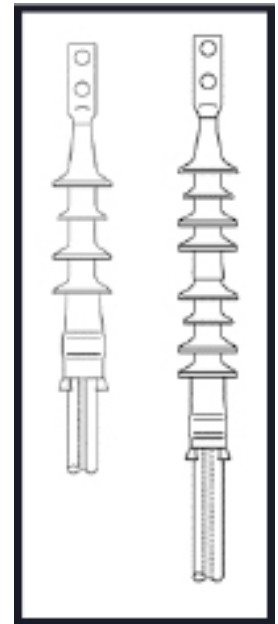
NOTE: Cable sizes listed are conservative estimates based on cable designed per ICEA S-94-649. Always confirm the termination falls within the cable parameters listed in the table. All dimensions are in INCHES.

PCT M ColdFit™ Series, Prysmian Outdoor Cold Shrink Silicone Rubber Termination Kit for 5-35kV



Prysmian Outdoor Cold Shrink ColdFit™ Silicone Rubber Termination Kit contains a skirted, silicone rubber termination, qualified to IEEE 48 class 1 specification for outdoor weather exposed applications. The kits are designed for terminating jacketed tape shield (TS), and longitudinally corrugated (LC) shielded power cables rated 5-35kV. Each kit contains enough material to make one single phase termination and a ground braid to connect the shield to the system ground. Use the table below and the tables located in the appendix of this document to assemble the product catalog ID.

Number of Conductors	Single Conductor (1C)
Shielding Type	Tape Shield (TS) Longitudinally Corrugated (LC)
Indoor / Outdoor	Outdoor
Breakout Boot	No
Insulation Rejacketing	No
Voltage	5kV, 8kV, 15kV, 25kV, 28kV, 35kV
Packaging	1 termination kit per case



Catalog ID (Example: PCT15M5CF-ALSB2L4-TSC5-1P)

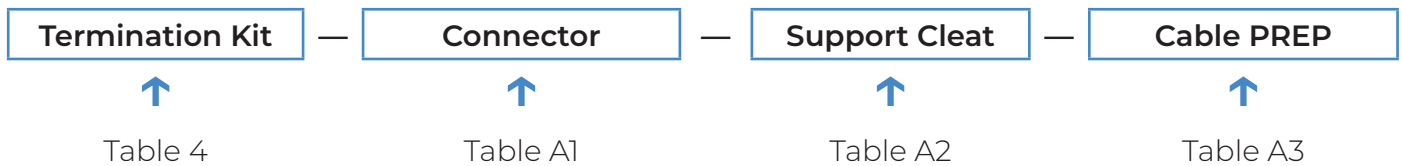


Table 4 – PCT M ColdFit™ Series

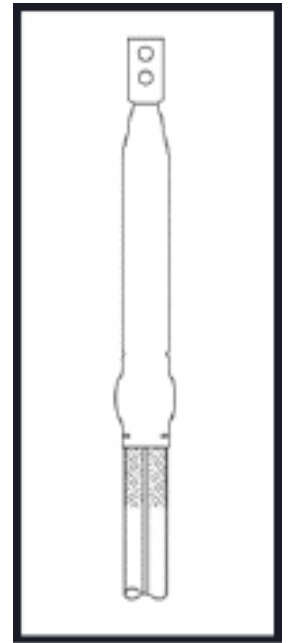
Catalog ID	Insulation Range	Conservative Cable Sizes (AWG / KCMIL)									
		5kV 100%	5kV 133% 8kV 100%	8kV 133%	15kV 100%	15kV 133%	25kV 100%	25kV 133% 28kV 100%	28kV 133%	35kV 100%	35kV 133%
PCT15M1CF	0.57 – 0.98	1/0 – 3/0	#1 – 3/0	#1 – 3/0	#2 – 3/0	#2 – 3/0	–	–	–	–	–
PCT15M2CF	0.67 – 1.10	4/0 – 250	3/0 – 250	1/0 – 250	#1 – 250	#2 – 250	–	–	–	–	–
PCT15M3CF	0.85 – 1.50	350 – 500	250 – 500	4/0 – 500	4/0 – 500	2/0 – 500	–	–	–	–	–
PCT15M5CF	1.08 – 1.97	750 – 1000	750 – 1000	500 – 1000	350 – 750	350 – 750	–	–	–	–	–
PCT15M6CF	1.41 – 2.56	Larger Sizes Available	Larger Sizes Available	Larger Sizes Available	1000 – 1500	1000 – 1500	–	–	–	–	–
PCT25M2CF	0.67 – 1.10	4/0 – 250	3/0 – 250	1/0 – 250	#1 – 250	#2 – 250	#2 – 2/0	#2 – 2/0	#2 – #1	–	–
PCT25M3CF	0.85 – 1.50	350 – 500	250 – 500	4/0 – 500	4/0 – 500	2/0 – 500	3/0 – 350	3/0 – 250	1/0 – 250	–	–
PCT25M5CF	1.08 – 1.97	750 – 1000	750 – 1000	500 – 1000	350 – 750	350 – 750	250 – 1000	250 – 1000	250 – 1000	–	–
PCT25M6CF	1.41 – 2.56	Larger Sizes Available	Larger Sizes Available	Larger Sizes Available	1000 – 1500	1000 – 1500	750 – 1500	750 – 1500	750 – 1500	–	–
PCT35M3CF	0.85 – 1.35	350 – 750	350 – 750	250 – 700	4/0 – 600	2/0 – 500	1/0 – 400	#4 – 300	#4 – 250	1/0 – 2/0	1/0
PCT35M5CF	1.08 – 1.70	500 – 1250	500 – 1250	500 – 1000	500 – 1000	350 – 1000	250 – 750	3/0 – 500	2/0 – 500	1/0 – 500	2/0 – 350
PCT35M6CF	1.41 – 2.20	1250 – 2000	1250 – 2000	1000 – 2000	1000 – 2000	750 – 2000	500 – 1500	500 – 1500	500 – 1500	400 – 1500	250 – 1250

NOTE: Cable sizes listed are conservative estimates based on cable designed per ICEA S-94-649. Always confirm the termination falls within the cable parameters listed in the table. All dimensions are in INCHES.

PICT L ColdFit™ Series, Prysmian Indoor Cold Shrink Silicone Rubber Termination Kit for 5-15kV



Prysmian Indoor Cold Shrink ColdFit™ Silicone Rubber Termination Kit contains a non-skirted, silicone rubber termination, qualified to IEEE 48 class 1 specification for indoor and weather protected applications. The kits are designed for terminating jacketed longitudinally corrugated (LC) shielded power cables rated 5-15kV. Each kit contains enough material to make one single phase termination and a LC Connector to connect the shield to the system ground. Prysmian's patented LC Shield® Connectors are an industry standard for grounding cables with longitudinally corrugated copper tape shields. The corrugated copper element is sized accordingly and utilizes the same corrugations per inch as the cable to maximize the surface area of the connection. Use the table below and the tables located in the appendix of this document to assemble the product catalog ID.



Number of Conductors Single Conductor (1C)
Shielding Type Longitudinally Corrugated (LC)
Indoor / Outdoor Indoor
Breakout Boot No
Insulation Rejacketing No
Voltage 5kV, 8kV, 15kV
Packaging 1 termination kit per case

Catalog ID (Example: PICT15L5CF-ALSB2L4-TSC5-IP)

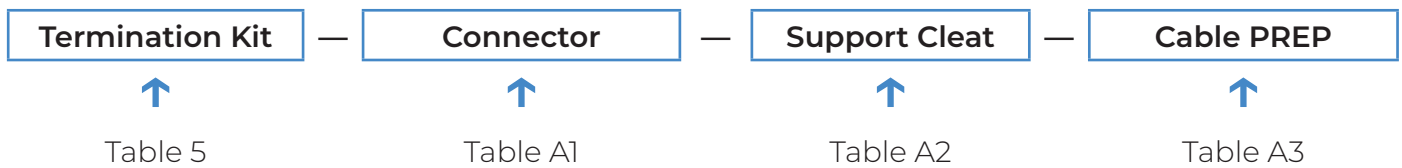


Table 5 – PICT L ColdFit™ Series

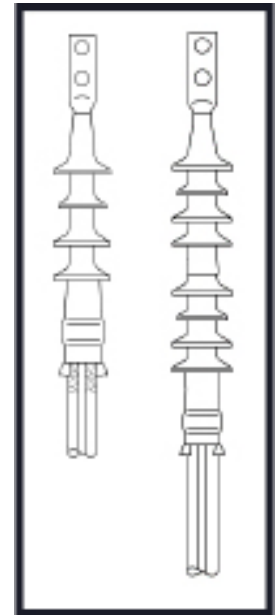
Catalog ID	Insulation Range	Conservative Cable Sizes (AWG / KCMIL)				
		5kV 100%	5kV 133% 8kV 100%	8kV 133%	15kV 100%	15kV 133%
PICT15L1CF	0.57 – 0.98	1/0 – 3/0	#1 – 3/0	#1 – 3/0	#2 – 3/0	#2 – 3/0
PICT15L2CF	0.67 – 1.10	4/0 – 250	3/0 – 250	1/0 – 250	#1 – 250	#2 – 250
PICT15L3CF	0.85 – 1.50	350 – 500	250 – 500	4/0 – 500	4/0 – 500	2/0 – 500
PICT15L5CF	1.08 – 1.97	750 – 1000	750 – 1000	500 – 1000	350 – 750	350 – 750
PICT15L6CF	1.41 – 2.56	Larger Sizes Available	Larger Sizes Available	Larger Sizes Available	1000 – 1500	1000 – 1500

NOTE: Cable sizes listed are conservative estimates based on cable designed per ICEA S-94-649. Always confirm the termination falls within the cable parameters listed in the table. All dimensions are in INCHES.

PCT L ColdFit™ Series, Prysmian Outdoor Cold Shrink Silicone Rubber Termination Kit for 5-35kV



Prysmian Outdoor Cold Shrink ColdFit™ Silicone Rubber Termination Kit contains a skirted, silicone rubber termination, qualified to IEEE 48 class 1 specification for outdoor weather exposed applications. The kits are designed for terminating jacketed longitudinally corrugated (LC) shielded power cables rated 5-35kV. Each kit contains enough material to make one single phase termination and a LC Connector to connect the shield to the system ground. Prysmian's patented LC Shield® Connectors are an industry standard for grounding cables with longitudinally corrugated copper tape shields. The corrugated copper element is sized accordingly and utilizes the same corrugations per inch as the cable to maximize the surface area of the connection. Use the table below and the tables located in the appendix of this document to assemble the product catalog ID.



Number of Conductors	Single Conductor (1C)
Shielding Type	Longitudinally Corrugated (LC)
Indoor / Outdoor	Outdoor
Breakout Boot	No
Insulation Rejacketing	No
Voltage	5kV, 8kV, 15kV, 25kV, 28kV, 35kV
Packaging	1 termination kit per case

Catalog ID (Example: : PCT15L5CF-ALSB2L4-TSC5-1P)

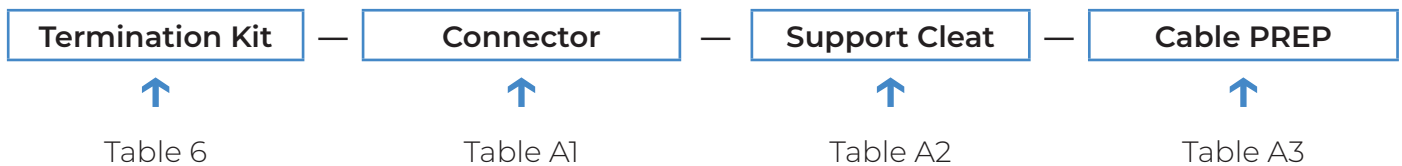


Table 6 – PCT L ColdFit™ Series

Catalog ID	Insulation Range	Conservative Cable Sizes (AWG / KCMIL)									
		5kV 100%	5kV 133% 8kV 100%	8kV 133%	15kV 100%	15kV 133%	25kV 100%	25kV 133% 28kV 100%	28kV 133%	35kV 100%	35kV 133%
PCT15L1CF	0.57 – 0.98	1/0 – 3/0	#1 – 3/0	#1 – 3/0	#2 – 3/0	#2 – 3/0	–	–	–	–	–
PCT15L2CF	0.67 – 1.10	4/0 – 250	3/0 – 250	1/0 – 250	#1 – 250	#2 – 250	–	–	–	–	–
PCT15L3CF	0.85 – 1.50	350 – 500	250 – 500	4/0 – 500	4/0 – 500	2/0 – 500	–	–	–	–	–
PCT15L5CF	1.08 – 1.97	750 – 1000	750 – 1000	500 – 1000	350 – 750	350 – 750	–	–	–	–	–
PCT15L6CF	1.41 – 2.56	Larger Sizes Available	Larger Sizes Available	Larger Sizes Available	1000 – 1500	1000 – 1500	–	–	–	–	–
PCT25L2CF	0.67 – 1.10	4/0 – 250	3/0 – 250	1/0 – 250	#1 – 250	#2 – 250	#2 – 2/0	#2 – 2/0	#2 – #1	–	–
PCT25L3CF	0.85 – 1.50	350 – 500	250 – 500	4/0 – 500	4/0 – 500	2/0 – 500	3/0 – 350	3/0 – 250	1/0 – 250	–	–
PCT25L5CF	1.08 – 1.97	750 – 1000	750 – 1000	500 – 1000	350 – 750	350 – 750	250 – 1000	250 – 1000	250 – 1000	–	–
PCT25L6CF	1.41 – 2.56	Larger Sizes Available	Larger Sizes Available	Larger Sizes Available	1000 – 1500	1000 – 1500	750 – 1500	750 – 1500	750 – 1500	–	–
PCT35L3CF	0.85 – 1.35	350 – 750	350 – 750	250 – 700	4/0 – 600	2/0 – 500	1/0 – 400	#4 – 300	#4 – 250	1/0 – 2/0	1/0
PCT35L5CF	1.08 – 1.70	500 – 1250	500 – 1250	500 – 1000	500 – 1000	350 – 1000	250 – 750	3/0 – 500	2/0 – 500	1/0 – 500	2/0 – 350
PCT35L6CF	1.41 – 2.20	1250 – 2000	1250 – 2000	1000 – 2000	1000 – 2000	750 – 2000	500 – 1500	500 – 1500	500 – 1500	400 – 1500	250 – 1250

NOTE: Cable sizes listed are conservative estimates based on cable designed per ICEA S-94-649. Always confirm the termination falls within the cable parameters listed in the table. All dimensions are in INCHES.

TABLES:

- A1 Prysmian ColdFit™ Termination Recommended Shear Bolt Connectors
- A2 Prysmian Termination Support Cleats
- A3 Cable Cleaning “PREP” Kits
- A4 Prysmian ColdFit™ Termination Connector Sizing Guidelines
- A5 Prysmian ColdFit™ Termination Spacing Guidelines

Table A1

Prysmian ColdFit™ Termination Recommended Shear Bolt Connectors (Lugs & Pin Terminals)



Catalog ID	Cable Size				Tooling
	Concentric Stranding	Compressed Stranding	Compact Stranding	Solid Stranding	
ALSB2L1	#7 – 3/0	#7 – 3/0	#7 – 3/0	#7 – 3/0	5mm Hex Key
ALSB2L2	#5 – 300	#5 – 300	#5 – 300	#5 – 300	5mm Hex Key
ALSB2L3	1/0 – 450	1/0 – 450	1/0 – 500	1/0 – 500	6mm Hex Key
ALSB2L4	350 – 750	350 – 750	350 – 750	350 – 750	8mm Hex Key
ALSB2L5	500 – 1000	500 – 1000	500 – 1000	500 – 1000	8mm Hex Key
ALSB2L6	600 – 1250	600 – 1250	600 – 1250	600 – 1250	8mm Hex Key
ALSB2L7	1250 – 1600	1250 – 1600	1250 – 1600	1250 – 1600	8mm Hex Key
ALSBPT1	#7 – 4/0	#7 – 4/0	#7 – 4/0	#7 – 4/0	5mm Hex Key

Catalog ID	ColdFit™ Termination												Connector Type		Conductor	
	PICT15 / PCT15 Size 1	PICT15 / PCT15 Size 2	PICT15 / PCT15 Size 3	PICT15 / PCT15 Size 5	PICT15 / PCT15 Size 6	PCT25 Size 2	PCT25 Size 3	PCT25 Size 5	PCT25 Size 6	PCT35 Size 3	PCT35 Size 5	PCT35 Size 6	2 Hole Lug	Pin Terminal	Aluminum	Copper
ALSB2L1		X	X			X	X			X			X		X	X
ALSB2L2			X	X			X	X		X	X		X		X	X
ALSB2L3			X	X			X	X		X	X		X		X	X
ALSB2L4				X	X			X	X		X	X	X		X	X
ALSB2L5					X			X	X			X	X		X	X
ALSB2L6					X				X			X	X		X	X
ALSB2L7					X				X			X	X		X	X
ALSBPT1	X	X	X			X	X			X				X	X	X

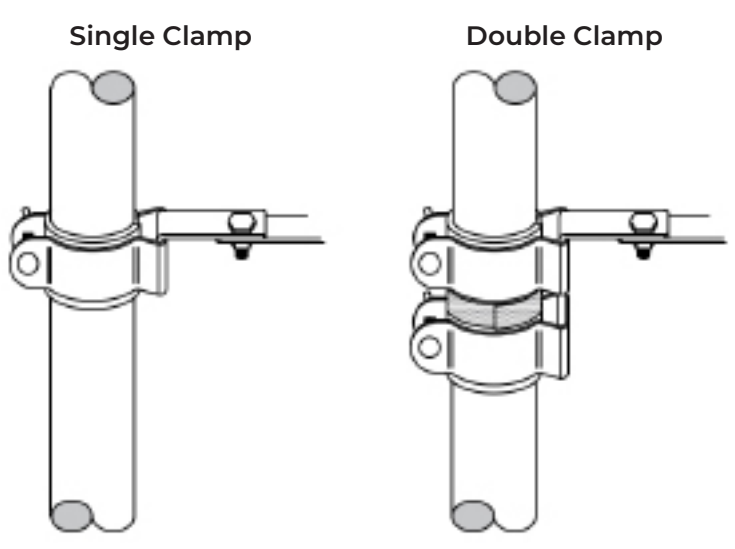
NOTE: If the user would prefer to provide their own connector use Catalog ID “NC”. Note that for proper installation, the connector must fall within the connector sizing parameters for the termination body. Failure to do so could cause complications during installation. Reference Table A4 for connector sizing guidelines.

NOTE: If you require a compression connector, please contact your Prysmian representative and provide the conductor size, material, stranding. This information is critical for selecting an appropriate connector for the application.

Table A2

Termination Support Cleats

Prysmian Termination Support Cleats have been designed to mount Prysmian ColdFit™ Silicone Rubber Live End Riser Terminations. The TSC series cleats are made from passivated zinc coated steel to provide corrosion resistance. The brackets are attached to the cable just below the termination. The L shaped bracket provides a point that can be attached to another bracket or any other support.

Catalog ID	Clamp Type	Cable O.D. Range	
NSC	–	–	
TSC3	Single Clamp	0.80 – 1.25	
TSC4	Single Clamp	1.10 – 1.50	
TSC5	Double Clamp	1.45 – 1.95	
TSC6	Double Clamp	1.80 – 2.40	

NOTE: If no termination support cleat is required use Catalog ID “NSC”.

Table A3

Cable Cleaning “PREP” Kits

Catalog ID	HP Cleaning Pad	Drying Pad	180-Grit AL Oxide Abrasive Cloth
NP	–	–	–
1P	1	1	1

NOTE: Cable preparation and cleaning is critical for the install and operation of any medium voltage accessory. If you do not have access to suitable cleaning supplies, it is recommended a cleaning kit be included. It is critical that cleaning pads are not reused to clean other cables, so consider how many phases you will be preparing with the kit requested when selecting how many cleaning items are needed.

Table A4

Prysmian ColdFit™ Termination Connector Sizing Guidelines (Dimensions in INCHES)

ColdFit™ Indoor Termination (PICT Series)		
Product Series Termination Size	Maximum Circumscribed Diameter (NOTE 1)	Minimum Barrel O.D. (NOTE 2)
PICT15 Size 1	1.06	0.57
PICT15 Size 2	1.18	0.57
PICT15 Size 3	1.64	0.85
PICT15 Size 5	2.08	1.08
PICT15 Size 6	2.66	1.42

ColdFit™ Outdoor Termination (PCT Series)		
Product Series Termination Size	Maximum Circumscribed Diameter (NOTE 1)	Minimum Barrel O.D. (NOTE 2)
PCT15 Size 1	1.06	0.57
PCT15 Size 2	1.18	0.57
PCT15 Size 3	1.64	0.85
PCT15 Size 5	2.08	1.08
PCT15 Size 6	2.66	1.42
PCT25 Size 1	1.06	0.57
PCT25 Size 2	1.18	0.57
PCT25 Size 3	1.64	0.85
PCT25 Size 5	2.08	1.08
PCT25 Size 6	2.66	1.42
PCT35 Size 3	1.64	0.85
PCT35 Size 5	2.08	1.08
PCT35 Size 6	2.66	1.42

NOTE 1: Any connector used should have a circumscribed diameter, (reference Figure 1), less than or equal to the termination Max limit. This will ensure the installer can slide the termination over the connector and remove the support core.

NOTE 2: If the connector barrel O.D. is less than the minimum specified for the termination additional mastic will need to be applied to the connector barrel to ensure a proper moisture seal.

FIGURE 1

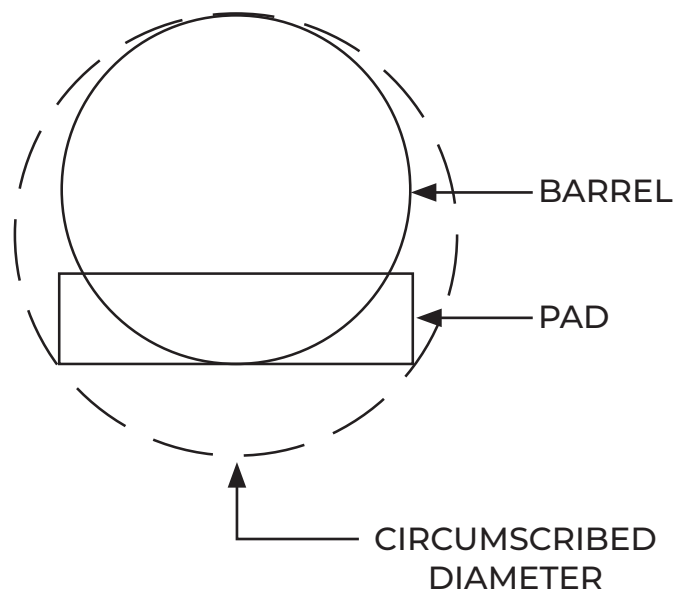


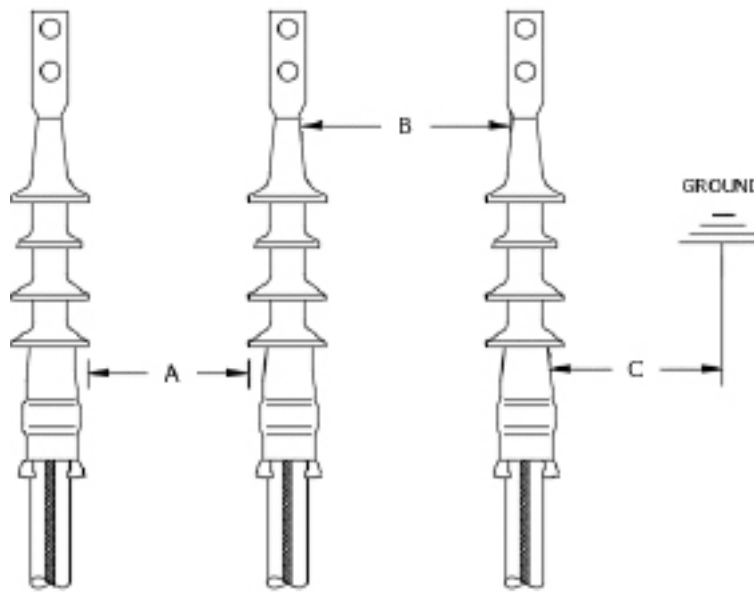
Table A5

Prysmian ColdFit™ Spacing Guidelines (Dimensions in INCHES)

Voltage Phase to Phase	Dimension A	Dimension B	Dimension C
15kV	0.59	1.18	0.79
25kV	0.79	1.57	0.98
35kV	0.98	1.97	1.38

NOTE 1: When using ColdFit™ Terminations each phase must be separated by the minimum dimensions detailed in the table. Terminations on the same phase can touch each other

FIGURE 2 – PCT Series





na.prysmian.com

ACS-DS-0008-1224

Follow us

