WRAPAROUND SLEEVES (CRSM)

1000V, COATED, MEDIUM WALL, NON-REINFORCED

KEY FEATURES

- Secure environmental seal
- ANSI C119.1 qualified
- RUS accepted
- Unlimited shelf life

TE Connectivity's (TE) Raychem CRSM sleeves close easily with a permanent locking system that consists of a raised rail profile and a stainless steel channel.

CRSM sleeves are mainly used as insulation for 1/C low-voltage power cables up to 1000V and for rejacket repair up to 35 kV or for general sealing applications. Hot-melt adhesive provides a secure environmental seal.

TE's CRSM sleeves are qualified to ANSI C119.1 and rated to ICEA electrical withstand test for 1000V. RUS accepted for use as jacked restoration materials on JCN cable.

CRSM sleeves are mainly for use on standard poly or elastomeric insulated or jacketed cables or lead-jacketed cables, including aluminum or steel armored. They also have an unlimited shelf life, when stored under normal conditions.

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PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)

Description	Primary Insulation Conductor Size (AWG/Kcmil)	1000V Use Range	General Use Range	Length	Wall Thickness (min. - max.)	Standard Pack (pcs./Box)
CRSM 34/10-200	#8 - 2/0	0.25 - 0.60 (6 - 15)	0.25 - 1.20 (6 - 30)	8 (200)	0.02 - 0.1 (0.3 - 2.4)	3
CRSM 34/10-1200	#8 - 2/0	0.25 - 0.60 (6 - 15)	0.25 - 1.20 (6 - 30)	48 (1219)	0.02 - 0.1 (0.3 - 2.4)	5
CRSM 53/13-200	3/0 - 400	0.60 - 0.95 (15 - 24)	0.60 - 1.80 (15 - 46)	8 (200)	0.02 - 0.08 (0.3 - 2)	10
CRSM 53/13-1200	3/0 - 400	0.60 - 0.95 (15 - 24)	0.60 - 1.80 (15 - 46)	48 (1219)	0.02 - 0.08 (0.3 - 2)	5
CRSM 84/20-750	500 - 1000	0.95 - 1.40 (24 - 36)	0.95 - 2.70 (24 - 69)	30 (750)	0.02 - 0.08 (0.3 - 2)	10
CRSM 84/20-1200	500 - 1000	0.95 - 1.40 (24 - 36)	0.95 - 2.70 (24 - 69)	48 (1219)	0.02 - 0.08 (0.3 - 2)	5
CRSM 107/29-1000	1000 - 2000	1.30 - 2.00 (33 - 51)	1.30 - 3.60 (33 - 91)	40 (1000)	0.02 - 0.08 (0.3 - 2)	10
CRSM 107/29-1200	1000 - 2000	1.30 - 2.00 (33 - 51)	1.30 - 3.60 (33 - 91)	48 (1219)	0.02 - 0.08 (0.3 - 2)	5
CRSM 143/36-1200	-	-	1.65 - 4.95 (42 - 126)	48 (1219)	0.02 - 0.08 (0.3 - 2)	5
CRSM 198/55-1200	-	-	1.65 - 4.95 (42 - 126)	48 (1219)	0.02 - 0.09 (0.3 - 2.1)	5

Dimension values provided are typical. Related test reports: EDR-5124, 5192, 5361.

REFERENCE DIMENSIONS FOR FEILD CUTTING OF CRSM: INCHES (mm)

Damage Length	Total Seal Length
<3 (<76)	3 (76)
3 - 12 (76 - 305)	4 (102)
12 - 24 (305 - 610)	6 (152)
> 24 (>610)	8 (203)

Cut Sleeve Length = Damage Length + Total Seal Length

ORDERING INFORMATION

Kit includes wraparound sleeve and stainless steel channel closure. Both can be field cut for shorter requirements. Kit does not include connectors

Bulk options are also available. Consult your TE Connectivity representative.

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FOR MORE INFORMATION: TE Technical Support Centers

USA:	+ 1 800 327 6996
France:	+ 33 380 583 200
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China:	+ 86 (0) 400-820-6015

GEL H-FRAME CLOSURE - 1000V (GHFC)

FAST AND EASY TO USE AND INSTALL

KEY FEATURES

- PowerGel sealant filled splice for buried, underground, and overhead applications
- Fast and simple to install
- PowerGel sealant easily peels away leaving a clean connection
- Can be used on aluminum or copper cables
- Meets requirements of ANSI C119.1

TE Connectivity's (TE) Raychem GHFC gel H-frame closure provides a fast and simple method for insulating and environmentally sealing low-voltage cable taps and splices made with H-frame compression connectors.

Simply place the connection on the closure and press the closure together. It's that easy—no tapes, mastics, tools, or mixing are required. The closure can be easily installed with one hand, even while wearing high voltage gloves.

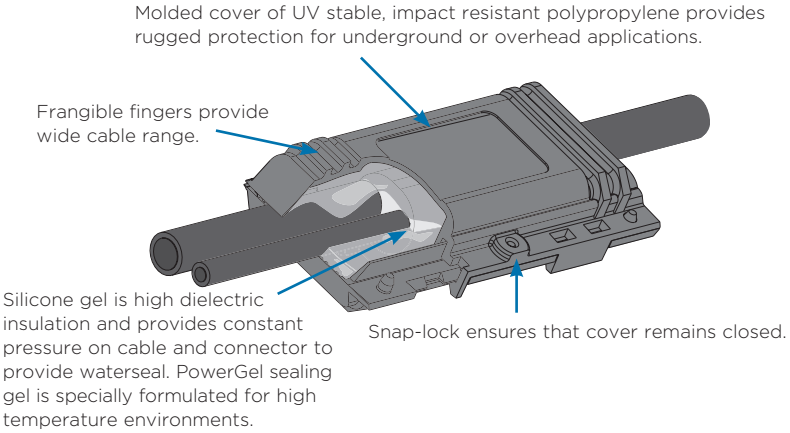
The closure utilizes TE's innovative PowerGel sealing gel to protect the connection from moisture ingress, corrosion, and pollution. TE's pre-cured polymer gels are blended together and crosslinked to give high elasticity, high cohesiveness, and temperature stability. They have been in use in other applications for over 10 years.

TE's gels are ideal for sealing electrical connections from moisture, dirt, and other contaminants. There is no need to apply heat or use sealants that would make re-entry difficult or impossible. When compressed, gels will coat and adhere to surfaces; they can be easily removed by pulling or peeling them off.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Gel H-Frame Closure - 1000V (GHFC)

The low-voltage H-frame closure is ideal for both underground and overhead applications and is especially useful for street lighting applications.



TESTING

TE's GHFC gel H-frame closure has been tested to and meets the following requirements:

Testing	Test Conditions
Underground Splicing	ANSI C119.1 - 1986
Fungus Resistance	ASTM G - 21

PRODUCT SELECTION INFORMATION

Description	Conductor Size (AWG/mm²)			Standard Package
	Main	Tap	Die	
GHFC - 1 - 90	#6 - #2 (16 - 35)	#14 - #8 (2.5 - 10)	"BG"	10 each
GHFC - 2 - 90	#2 - 2/0 (35 - 70)	#14 - #6 (2.5 - 16)	"O"	10 each
GHFC - 2.5 - 90	1/0 - 4/0 (50 - 95)	#6 - 3/0 (16 - 85)	"D"	30 each
GHFC - 3 - 90	350 (185)	#4/0 (95)	"N"	6 each

ORDERING INFORMATION

Select the appropriate catalog number. Selections are based on typical dimensions for low-voltage, insulated cable and connectors. Approved connectors include, but are not limited to:

Product	Approved Connectors
GHFC - 1 - 90	Homac UB214; T&B 63105; Blackburn WR9; Burndy YPC2A8U
GHFC - 2 - 90	Homac OB22, OB44, OB102, OB103; Burndy YHO - 1, YHO - 2, YHO100, YHO125, YHO150; Blackburn WR139, WR159, WR179, WR199; ILSCO AH1; T&B 63110; UTILCO HT1, HT2

TEST REPORT

Related Product Information: EDR–5264 Test Report

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GELWRAP WRAP-AROUND SPLICE COVER

EASILY INSTALL CONNECTIONS UP TO 1000V

KEY FEATURES

- Simply wrap and snap the sleeve on any cable in the use range
- Easy and quick to install
- For splice cover, cable rejacketing, underground or overhead applications
- Closure sleeves are compatible with solid dielectric cable insulations

TE Connectivity's (TE) Raychem GelWrap closure sleeves quickly and conveniently, insulate and seal buried electrical connections rated up to 1000 volts. The robust yet compact design is engineered to handle the harsh environments of direct burial and manhole applications. GelWrap sleeves are equally well suited for insulation and jacket repair.

PowerGel sealing material was specifically developed for the electrical power industry. This unique hydrophobic gel material provides an excellent moisture seal over wide operating temperature ranges (-40°C to 95°C). Both the gel and housing are UV resistant and suitable for overhead applications.

Other common uses for GelWrap sleeves include LV cable repair splices, MV cable jacket repair, MV splice rejacketing, and Elbow sealing sleeve.

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Gelwrap Wrap-Around Splice Cover (1000V)

TESTING
The TE GelWrap sleeve meets the following requirements:

Testing	Test Conditions
ANSI C119.1 – 1986	600V insulated underground
Chemical Resistance	Fluid immersion, 168 hours @ 23° C, 75% elongation retention minimum - 10W-40 motor oil - 10% hydrochloric acid - 15% sodium chloride - 20% sodium hydroxide - ETX 60280 antifreeze (1000 hours)
Accelerated Aging	1000 hours @ 135° C - 93% retention tensile strength - 82% retention elongation at break

Maximum Mechanical Connector Dimensions:

Figure (A)

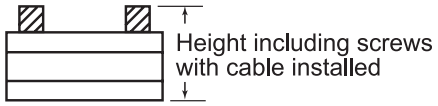

Figure (B)

PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)

Description	Sleeve Length	Conductor Size	Maximum Connector Opening	General Use Diameter Range
GelWrap-18/4-100	4.0 (100)	#12 – 4/0 (4 – 95)	1.0 (25)	0.15 – 0.70 (4 – 8)
GelWrap-18/4-150	6.0 (150)	#12 – 4/0 (4 – 95)	3.0 (75)	0.15 – 0.70 (4 -18)
GelWrap-18/4 -200	8.0 (200)	#12 – 4/0 (4 – 95)	5.0 (125)	0.15 – 0.70 (4 – 18)
GelWrap-18/4-250	10.0 (250)	#12 – 4/0 (4 – 95)	7.0 (175)	0.15 – 0.70 (4 – 18)
GelWrap-18/4-300	12.0 (300)	#12 – 4/0 (4 – 95)	9.0 (225)	0.15 – 0.70 (4 – 18)
GelWrap-33/10-150	6.0 (150)	#2 – 500 (35 - 240)	2.0 (50)	0.40 – 1.30 (10 - 33)
GelWrap-33/10-200	8.0 (200)	#2 – 500 (35 - 240)	4.0 (100)	0.40 – 1.30 (10 - 33)
GelWrap-33/10-250	10.0 (250)	#2 – 500 (35 - 240)	6.0 (150)	0.40 – 1.30 (10 - 33)
GelWrap-33/10-300	12.0 (300)	#2 – 500 (35 - 240)	8.0 (200)	0.40 – 1.30 (10 - 33)
GelWrap-33/10-350	14.0 (350)	#2 – 500 (35 - 240)	10.0 (250)	0.40 – 1.30 (10 - 33)
GelWrap-50/20-200	8.0 (200)	250 – 750	2.0 (50)	0.80 – 1.50 (20 - 38)
GelWrap-50/20-250	10.0 (250)	250 – 750	4.0 (100)	0.80 – 1.50 (20 - 38)
GelWrap-50/20-300	12.0 (300)	250 – 750	6.0 (150)	0.80 – 1.50 (20 - 38)
GelWrap-50/20-350	14.0 (350)	250 – 750	8.0 (200)	0.80 – 1.50 (20 - 38)
GelWrap-50/20-400	16.0 (400)	250 – 750	10.0 (250)	0.80 – 1.50 (20 - 38)

Note: For other sizes or application, a minimum seal length is required on each side of connector opening or jacket damage.

PRODUCT SELECTION INFORMATION: UL LISTED - DIMENSIONS IN INCHES (mm)

Description	Sleeve Length	1000V Cable Range	Maximum Connector Opening	Max. Compression Connector Diameter	Maximum Mechanical Connector Dimensions	
					Height (A)	Width (B)
GelWrap-18/4-150UL	6.0 (150)	#14-4/0 AWG	2.0 (50)	0.85 (22)	1.2 (30)	1.1 (28)
GelWrap-18/4-200UL	8.0 (200)	#14-4/0 AWG	4.0 (100)	0.85 (22)	1.2 (30)	1.1 (28)
GelWrap-18/4-250UL	10.0 (250)	#14-4/0 AWG	6.0 (150)	0.85 (22)	1.2 (30)	1.1 (28)
GelWrap-18/4-300UL	12.0 (300)	#14-4/0 AWG	8.0 (200)	0.85 (22)	1.2 (30)	1.1 (28)
GelWrap-18/4-350UL	14.0 (350)	#14-4/0 AWG	10.0 (250)	0.85 (22)	1.2 (30)	1.1 (28)
GelWrap-18/4-400UL	16.0 (400)	#14-4/0 AWG	12.0 (300)	0.85 (22)	1.2 (30)	1.1 (28)
GelWrap-18/4-450UL	18.0 (450)	#14-4/0 AWG	14.0 (350)	0.85 (22)	1.2 (30)	1.1 (28)
GelWrap-18/4-500UL	20.0 (500)	#14-4/0 AWG	16.0 (400)	0.85 (22)	1.2 (30)	1.1 (28)
GelWrap-18/4-550UL	22.0 (550)	#14-4/0 AWG	18.0 (450)	0.85 (22)	1.2 (30)	1.1 (28)
GelWrap-18/4-600UL	24.0 (600)	#14-4/0 AWG	20.0 (500)	0.85 (22)	1.2 (30)	1.1 (28)

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END SEALING CAP (ESC)

HEAT-SHRINK CAPS FOR 1/C POWER CABLE (1000V)

KEY FEATURES

- Qualified to ANSI C119.1
- Unlimited shelf life
- Shrinks in seconds
- Secure environmental seal

TE Connectivity's (TE) Raychem ESC heat-shrink end caps can be used as a live end seal up to 1000V, or as an end seal for storage or pulling any de-energized cable. ESC caps are also for use on standard poly or elastomeric insulated or jacketed cables or lead-jacketed cables, including aluminum or steel armored.

Hot-melt adhesive provides a secure environmental seal. ESC caps shrink in seconds, leaving a compact and rugged end seal. They also have an unlimited shelf life, when stored under normal conditions.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

End Sealing Cap

TE's ESC caps are qualified to ANSI C119.1 and rated to ICEA electrical withstand test for 1000V. Bulk options are also available. Consult your TE Connectivity representative.

PRODUCT SELECTION INFORMATION: DIMENSION IN INCHES (mm)

Description	Primary Insulation Conductor Size (AWG/Kcmil)	1000V Use Range	General Use Range	Length	Inside Diameter Max	Nominal Wall Thickness	Standard Pack
ESC-1/A	#12 - #8	0.17 - 0.35 (4 - 9)	0.15 - 0.30 (4 - 8)	1.5 (38)	0.4 (10)	0.2 (2.8)	50
ESC-2/A	#6 - 3/0	0.31 - 0.71 (8 - 18)	0.30 - 0.70 (8 - 18)	2 (55)	0.8 (20)	0.2 (2.8)	50
ESC-3/A	4/0 - 750	0.65 - 1.25 (17 - 32)	0.65 - 1.25 (17 - 32)	3.5 (89)	1.4 (35)	0.2 (3.2)	40
ESC-4/A	750 - 1500	1.08 - 1.94 (27 - 49)	1.05 - 1.95 (27 - 50)	5.3 (134)	2.2 (55)	0.2 (3.9)	20
ESC-5/A	1500 - 2000	1.38 - 2.58 (35 - 66)	1.3 - 2.65 (33 - 67)	6.7 (170)	3 (75)	0.2 (3.3)	10
ESC-6/A	-	1.94 - 3.54 (49 - 90)	1.85 - 3.70 (47 - 94)	5.6 (142)	4 (100)	0.2 (3.8)	10
ESC-7/A	-	3.02 - 4.25 (77 - 108)	2.95 - 4.50 (75 - 114)	5.4 (137)	4.8 (120)	0.2 (3.8)	10

Dimension values provided are typical. Related test report: EDR-5161

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MEDIUM WALL TUBING (MWTM)

SEALANT-COATED OR UNCOATED, 600V

KEY FEATURES

- Unlimited shelf life
- 3:1 shrink ratio

TE Connectivity's (TE) Raychem sealant-coated MWTM tubing (-S designation) can be used as an insulation jacket repair up to 600V. The MWTM tubing can also be used for general sealing and rejacketing of polymeric or elastomeric insulated cables up to 35kV.

TE's MWTM tubing has a 3:1 shrink ratio and an unlimited shelf life when stored under normal conditions.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

RUS accepted as jacket restoration of JCN Cable. Uncoated MWTM tubing(-U or -A/U) is for cable rejacketing only.

PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)						
Description	**Cable Use Range (min. - max.)**	**Min. Cont. Length**	**Cut - Piece Length**	**Standard Pack (per box)**	**Standard Pack (spool)**	**Standard Pack (bulk)**
Sealant-Coated, Cut Length Tubing						
MWTM-10/3-1200-S	0.13 - 0.35 (3 - 9)	-	48 (1200)	25	-	-
MWTM-16/5-1200-S	0.25 - 0.55 (6 - 14)	-	48 (1200)	25	-	-
MWTM-25/8-1200-S	0.35 - 0.85 (9 - 22)	-	48 (1200)	25	-	-
MWTM-35/12-1200-S	0.50 - 1.25 (13 - 32)	-	48 (1200)	25	-	-
MWTM-50/16-1200-S	0.65 - 1.70 (17 - 43)	-	48 (1200)	15	-	-
MWTM-85/25-1200-S	1.00 - 2.90 (25 - 74)	-	48 (1200)	5	-	-
MWTM-115/34-1200-S	1.40 - 3.90 (36 - 99)	-	48 (1200)	5	-	-
MWTM-140/42-1200-S	1.80 - 4.70 (46 - 119)	-	48 (1200)	5	-	-
Uncoated, Spooled Tubing						
MWTM-10/3-A/U	0.13 - 0.35 (3-9)	25 (7.6)	-	-	100 (30)	
MWTM-16/5-A/U	0.25 - 0.55 (6 - 14)	25 (7.6)	-	-	100 (30)	1155 (350)
MWTM-25/8-A/U	0.35 - 0.85 (9 - 22)	27 (7.6)	-	-	100 (30)	660 (200)
MWTM-35/12-A/U	0.50 - 1.25 (13 - 32)	28 (7.6)	-	-	100 (30)	495 (150)
MWTM-50/16-A/U	0.65 - 1.70 (17 - 43)	15(4.6)	-	-	75(23)	330 (100)
Uncoated, Spooled Tubing						
MWTM-85/25-1500/U	1.00 - 2.90 (25 - 74)	60 (1500)	-	5	-	-
MWTM-115/34-1500/U	1.40 - 3.90 (36 - 99)	60 (1500)	-	5	-	-
MWTM-140/42-1500/U	1.80 - 4.70 (46 - 119)	60 (1500)	-	5	-	-

*Dimension values provided are typical.

TECHNICAL REPORT

Standard test reports: EDR-5167

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RAYVOLVE RVS SPLICE COVERS

"ROLL-ON" SPLICES FOR 1/C POWER CABLE (1000V)

KEY FEATURES

- Easy connection
- Water resistant seal
- Fast installation
- UL listed and CSA certified

TE Connectivity's (TE) Raychem RVS splice cover kits are the easy "roll-on" way to insulate and seal cable connections up to 1000 V.

The gripping force of the specially formulated EPDM elastomer combines with the high performance sealant to form a water-resistant, insulating sleeve that is UL listed and CSA certified for direct burial application over in-line compression connectors.

RVS splice cover sleeves feature a dual-wall design with an entrapped lubricant, making installation fast and simple. The cable can also be energized immediately and is ideal to be used where gas or electric heating devices are not approved.

The elastomeric sleeve rolls onto the cable with minimal effort, even at temperatures below –15°F (–25°C).

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Bulk options are also available. Consult your TE Connectivity representative. Each kit contains one Rayvolve RVS splice cover sleeve and sealant strips. Kit does not contain connectors.

PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)				
Description	**Conductor Size (AWG/kcmil)**	**Cable OD (min. - max.)**	**Sleeve Length**	**Max Collector Length**
RVS-11	#8 - 2/0	0.22 - 0.68 (6 - 17)	8.0 (205)	5.00 (127)
RVS-12	1/0 - 250	0.50 - 0.90 (13 - 23)	9.5(241)	4.50 (114)
RVS-13	250 - 600	0.70 - 1.20 (18 -30)	12.0 (305)	7.00 (178)
RVS-13	600 - 1000	0.95 - 1.50 (24 - 38)	14.0 (356)	9.00 (229)

*Dimension values provided are typical.

TEST REPORT
Standard test reports: EDR-5167

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RAYCHEM GEL IN-LINE SPLICE KIT (GILS)

1000V

KEY FEATURES

- PowerGel sealant filled splice
- Fast and simple to install
- PowerGel sealant easily peels away leaving a clean connection
- For use on aluminum or copper cables
- Meets requirements of ANSI C119.1

TE Connectivity's (TE) Raychem GILS gel in-line splice kit offers a state-of-the-art sealed splice for both underground, buried and overhead applications. With its revolutionary PowerGel sealing gel, it covers and seals the splice quickly and easily, saving both time and effort. PowerGel sealant is rated to 95°C.

The kit's range-taking mechanical connector splices aluminum and copper cables. Since everything is included in one convenient kit (even the connectors) you will not get caught without all the right equipment.

Closing the rugged GILS closure is literally a snap. Small housings allow for installation in cramped locations. The GILS-4/0 splice closure is 4.25" long, while the GILS-350 is 7.1" long.

The GILS closure is simple to re-enter because the PowerGel sealant pulls away leaving a clean connection. The only tools required to deploy the GILS closure in the field are a 5/16" Allen wrench or a torque wrench and a knife.

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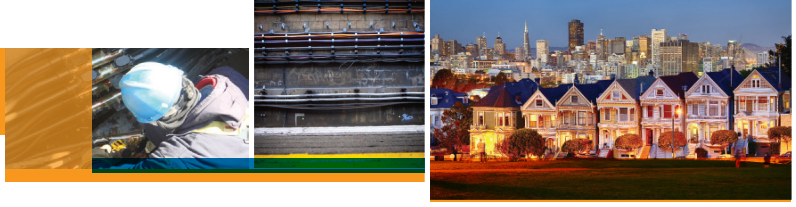


Product Selection Information

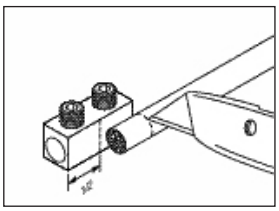
Kit Description	Use Range	Recommended Torque
GILS 4/0	#2 - 4/0 AWG (33 - 107 mm²)	225 in-lb. (25.4 N•m)
GILS 350	1/0 - 350kcmil (50 - 150 mm²)	225 in-lb. (25.4 N•m)

Meets requirements of ANSI C119.1

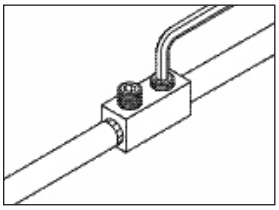
Related Product Information: EDR-5298 GILS-4/0
EDR-5394 GILS-350

Installed Dimensions

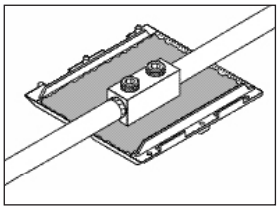
Kit Description	Length inches (mm)	Width inches (mm)	Height inches (mm)
GILS-4/0	4.25 (108)	2 (51)	1.1 (30)
GILS-350	7.1 (180)	2.75 (71)	1.57 (40)



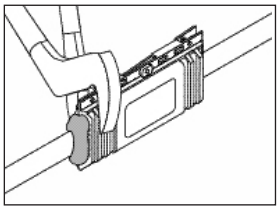
1. Remove insulation equivalent to half the connector length.



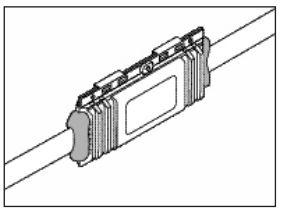
2. a. Insert conductors into connector.
   b. Using 5/16" Allen wrench, tighten set screws.
   c. Torque screws to 225 in-lb (25.4 Nm)
   d. Flex cable.
   e. Torque again.



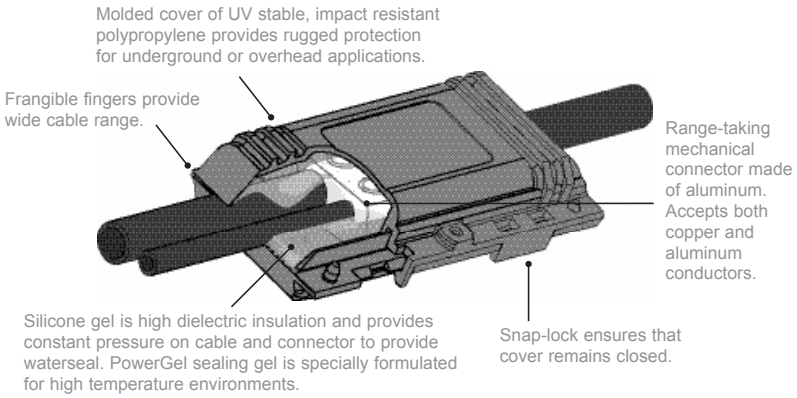
3. Center connector over GILS gel cover.



4. Snap shut both locks. Use pliers, if needed, to close.



5. Completed splice.



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RAYCHEM GELPORT (GPRT)

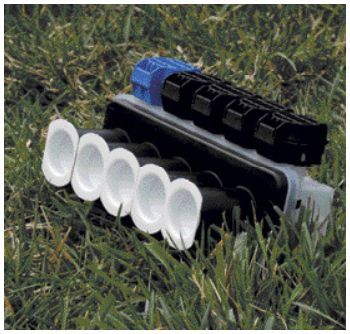
SUBMERSIBLE SECONDARY CONNECTORS FOR URD DISTRIBUTION (1000 V)

KEY FEATURES

- Corrosion resistant
- No loose parts due to one piece housing
- PowerGel-filled cable entry ports provide reliable cable seal
- Rugged, impact-resistant housing stands up to rough installations
- Clear view back allows for easy positive visual indication of wire position in connector

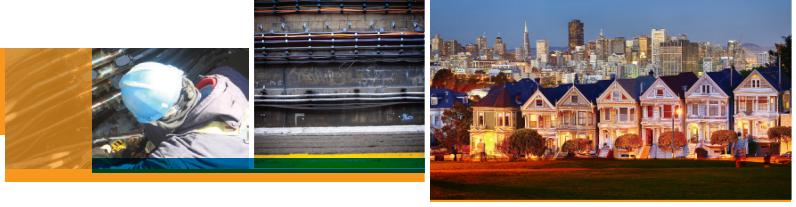
TE Connectivity (TE) GelPort connection system represents a revolutionary product for secondary connectors. Strip the cable and push it into the gel-filled cable port. The cable is encapsulated in gel and instantly sealed. Fast, reliable installation - every time. It's that simple.

PowerGel sealing gel was specifically developed for the electrical power industry. It consists of a chemically cross-linked silicone elastomer with silicone oil. PowerGel sealing gel is hydrophobic and provides an excellent moisture seal over a wide operating temperature range (-40° C to 95° C). It is compatible with solid dielectric cable insulation and connector deoxidizing greases and has excellent insulation properties.



Hybrid 350/500 MCM

GPRT Product Specifications

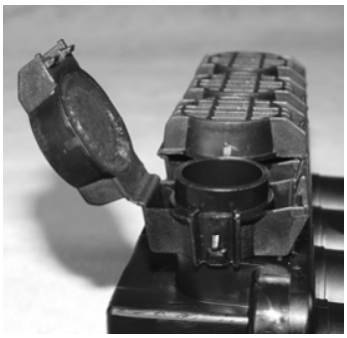


PRODUCT SELECTION INFORMATION						
Catalog Number	Clear view	Number of wire ports	Conductor use range (mm2)	Length inches (mm)	Width inches (mm)	Height inches (mm)
GPRT-350-3P	-C	3	14 - 350 (2 - 150)	4.60 (117)	3.825 (97)	3.50 (89)
GPRT-350-4P	-C	4	14 - 350 (2 - 150)	5.85 (149)	3.825 (97)	3.50 (89)
GPRT-350-5P	-C	5	14 - 350 (2 - 150)	7.10 (180)	3.825 (97)	3.50 (89)
GPRT-350-6P	-C	6	14 - 350 (2 - 150)	8.35 (212)	3.825 (97)	3.50 (89)
GPRT-350-8P	-C	8	14 - 350 (2 - 150)	10.85 (276)	3.825 (97)	3.50 (89)
GPRT-350/4P-500/1P	-C	5 Hybrid		7.10 (180)	3.825 (97)	3.50 (89)
		4	14 - 350 (2 - 150)			
		1	6 - 500 (16 - 250)			
GPRT-350/6P-500/2P	-C	8 Hybrid		10.85 (276)	3.825 (97)	3.50 (89)
		6	14 - 350 (2 - 150)			
		2	6 - 500 (16 - 250)			

Note: For clear view back, add "-C" to catalog number

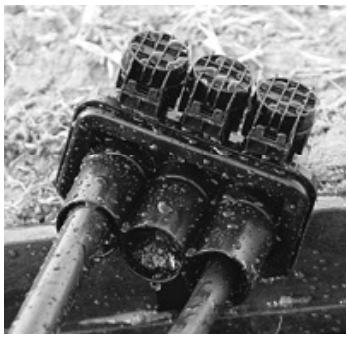
Clear Back

Hinged Cap

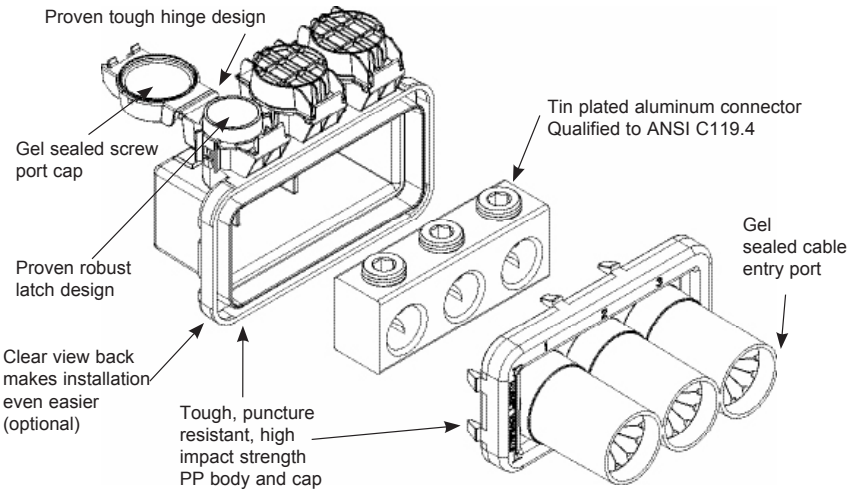


Gel-Filled Ports

Submersible Performance



TESTING	TEST CONDITION
Complete unit	ANSI C119.1, 2002, Report: EDR-5379, EDR-5409, EDR-5427
Connector	ANSI C119.4, 2003, Report: 502-47264, 502-47302, 502-47308
Chemical Resistance	ASTM D543 to the following liquids: Sulfuric Acid, Sodium Sulfate, Sodium Chloride, Sodium Hydroxide, Ethylene Glycol
UV Resistance	ASTM G-53-95, ASTM-D-638-95



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WCSM THICK WALL TUBING

HEAVY-WALL, SEALANT COATED TUBING (1000V)

KEY FEATURES

- 4:1 shrink ratio
- Flexible
- Flame retardant
- Unlimited shelf life

TE Connectivity's (TE) Raychem WCSM tubing can be used to seal an in-line splice or terminal lug seal for non-flame retardant applications, cable re-jacketing and mechanical protection.

The WCSM tubing is qualified to ANSI C119.1 and rated to Western Underground guide 2.5. It is also RUS accepted for use as a secondary tap or splice cover and for use as jacket restoration materials on JCN cable.

WCSM tubing may be used for jacket repair on cables up to 35 kV. It also has a 4:1 shrink ratio and an unlimited shelf life when stored under normal conditions. Also, the WCSM tubing can be used on standard poly or elastomeric insulated or jacketed cable or lead-jacketed cables, which may include aluminum or steel armoring.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)

Description	1000V Cable Nominal Use Rage AWG/kcmil (min, max)	Maximum Connector OD	UL Conductor Use Range (min - max)	General Conductor Use Range (min - max)	Max Connector Opening "A"	Minimum Seal Length per Side
WCSM-12/3-150-S	#14, #6	0.29	.13 - .30 (3.5 - 7.7)	.13 - .39 (3.5 - 10)	2.4	1.5
WCSM-12/3-300-S	#14, #6	0.29	.13 - .30 (3.5 - 7.7)	.13 - .39 (3.5 - 10)	7.8	1.5
WCSM-12/3-1200-S	#14, #6	0.29	.13 - .30 (3.5 - 7.7)	.13 - .39 (3.5 - 10)	39.3	1.5
WCSM-16/4-150-S	#8, #2	0.41	.17 - .41 (4.5 - 10.5)	.17 - .55 (4.5 - 14)	1.4	2
WCSM-16/4-300-S	#8, #2	0.41	.17 - .41 (4.5 - 10.5)	.17 - .55 (4.5 - 14)	6.8	2
WCSM-16/4-1200-S	#8, #2	0.41	.17 - .41 (4.5 - 10.5)	.17 - .55 (4.5 - 14)	38.3	2
WCSM-24/6-150-S	#6, #4/0	0.69	.25 - .64 (6.5 - 16.5)	.25 - .86 (6.5 - 22)	1.4	2
WCSM-24/6-225-S	#6, #4/0	0.69	.25 - .64 (6.5 - 16.5)	.25 - .86 (6.5 - 22)	3.96	2
WCSM-24/6-300-S	#6, #4/0	0.69	.25 - .64 (6.5 - 16.5)	.25 - .86 (6.5 - 22)	6.8	2
WCSM-24/6-1200-S	#6, #4/0	0.69	.25 - .64 (6.5 - 16.5)	.25 - .86 (6.5 - 22)	38.3	2
WCSM-34/8-150-S	#2, 500	1.06	.35 - .94 (9 - 24)	.35 - 1.22 (9 - 31)	1.4	2
WCSM-34/8-200-S	#2, 500	1.06	.35 - .94 (9 - 24)	.35 - 1.22 (9 - 31)	3.02	2
WCSM-34/8-225-S	#2, 500	1.06	.35 - .94 (9 - 24)	.35 - 1.22 (9 - 31)	3.96	2
WCSM-34/8-300-S	#2, 500	1.06	.35 - .94 (9 - 24)	.35 - 1.22 (9 - 31)	6.8	2
WCSM-34/8-1200-S	#2, 500	1.06	.35 - .94 (9 - 24)	.35 - 1.22 (9 - 31)	38.48	2
WCSM-48/12-150-S	#2/0, 750	1.3	.51 - 1.12 (13 - 28.5)	.51 - 1.73 (13 - 44)	1.4	2
WCSM-48/12-225-S	#2/0, 750	1.3	.51 - 1.12 (13 - 28.5)	.51 - 1.73 (13 - 44)	3.96	2
WCSM-48/12-300-S	#2/0, 750	1.3	.51 - 1.12 (13 - 28.5)	.51 - 1.73 (13 - 44)	6.8	2
WCSM-48/12-1200-S	#2/0, 750	1.3	.51 - 1.12 (13 - 28.5)	.51 - 1.73 (13 - 44)	38.3	2
WCSM-56/16-225-S	250, 1000	1.5	.68 - 1.27 (17.5 - 32.5)	.70 - 1.96 (17.5 - 50)	3.96	2
WCSM-56/16-300-S	250, 1000	1.5	.68 - 1.27 (17.5 - 32.5)	.70 - 1.96 (17.5 - 50)	6.62	2
WCSM-56/16-1200-S	250, 1000	1.5	.68 - 1.27 (17.5 - 32.5)	.70 - 1.96 (17.5 - 50)	38.3	2
WCSM-70/20-300-S	500, 1500	1.84	.92 - 1.40 (22 - 35.8)	.86 - 2.48 (22 - 63)	5.8	2.5
WCSM-70/20-450-S	500, 1500	1.84	.92 - 1.40 (22 - 35.8)	.86 - 2.48 (22 - 63)	10.93	2.5
WCSM-70/20-600-S	500, 1500	1.84	.92 - 1.40 (22 - 35.8)	.86 - 2.48 (22 - 63)	16.26	2.5
WCSM-70/20-1200-S	500, 1500	1.84	.92 - 1.40 (22 - 35.8)	.86 - 2.48 (22 - 63)	37.3	2.5
WCSM-110/30-300-S	1250, 2000	-	-	1.29 - 3.93 (33 - 100)	-	2.5
WCSM-110/30-1200-S	1250, 2000	-	-	1.29 - 3.93 (33 - 100)	-	2.5
WCSM-130/35-300-S	1500, 2500	-	-	1.49 - 4.64 (39 - 118)	-	2.5
WCSM-130/35-450-S	1500, 2500	-	-	1.49 - 4.64 (39 - 118)	-	2.5
WCSM-130/35-1200-S	1500, 2500	-	-	1.49 - 4.64 (39 - 118)	-	2.5

*WCSM is no longer offered as an uncoated option.

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