

Low Voltage In-Line Splices



GelWrap Splice Closures Water Resistant Wraparound Splice Closures (1000 V)

Tyco Electronics' GelWrap splice closures 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 splice closures are equally well suited for insulation and jacket repair. GelWrap UF splices include the UF connector.

Fast and easy installation

Installers will appreciate the simple wraparound design and dependable gel sealing performance. Simply wrap and snap the closure on any cable in the use range. The gel in the closure seals on contact. Installation is literally a snap. The GelWrap splice closure can be applied on all common compression connectors and low-voltage cables. Many in-line mechanical connectors can be covered as well.



Dependable performance

The factory cured PowerGel silicone sealant in the GelWrap closure encapsulates the connection. Since the gel is easily stretched and very sticky, it basically forms around the cable and connector sticking to everything including itself. Moisture cannot enter the splice.

Selection Information: dimensions in inches (millimeters)

Catalog Number	Sleeve Length	Conductor Size	Connector Opening	Maximum General Use Diameter Range	Std. Pack
GelWrap-18/4-100	4.0 (100)	#12 - 4/0 (4 - 95)	1.0 (25)	0.15 - 0.70 (4 - 18)	6
GelWrap-18/4-150	6.0 (150)	#12 - 4/0 (4 - 95)	3.0 (75)	0.15 - 0.70 (4 - 18)	6
GelWrap-18/4 -200	8.0 (200)	#12 - 4/0 (4 - 95)	5.0 (125)	0.15 - 0.70 (4 - 18)	6
CPGI-GelWrap-18/4-200	8.0 (200)	#12 - 4/0 (4 - 95)	5.0 (125)	0.15 - 0.70 (4 - 18)	5
CPGI-GelWrap-18/4-200UL	8.0 (200)	#12 - 4/0 (4 - 95)	4.0 (100)	0.15 - 0.70 (4-18)	5
GelWrap-18/4-250	10.0 (250)	#12 - 4/0 (4 - 95)	7.0 (175)	0.15 - 0.70 (4 - 18)	6
CPGI-GelWrap-18/4-250UL	10 (250)	#2 - 4/0 (4 - 95)	6.0 (150)	0.40 - 1.30 (10 - 33)	5
GelWrap-18/4-300	12.0 (300)	#12 - 4/0 (4 - 95)	9.0 (225)	0.15 - 0.70 (4 - 18)	6
GelWrap-33/10-150	6.0 (150)	#2 - 500 (35 - 240)	2.0 (50)	0.40 - 1.30 (10 - 33)	6
CPGI-GelWrap-33/10-50	1.0 (50)	#2 - 500 (35 - 240)	6.0 (150)	0.40 - 1.30 (10 - 33)	5
GelWrap-33/10-200	8.0 (200)	#2 - 500 (35 - 240)	4.0 (100)	0.40 - 1.30 (10 - 33)	6
GelWrap-33/10-250	10.0 (250)	#2 - 500 (35 - 240)	6.0 (150)	0.40 - 1.30 (10 - 33)	6
GelWrap-33/10-250-I350M4*	10.0 (250)	#6 - 350 (16 - 180)	5 (125)	0.40 - 1.30 (10 - 33)	12
GelWrap-33/10-300	12.0 (300)	#2 - 500 (35 - 240)	8.0 (200)	0.40 - 1.30 (10 - 33)	12
GelWrap-33/10-350	14.0 (350)	#2 - 500 (35 - 240)	10.0 (250)	0.40 - 1.30 (10 - 33)	10
GelWrap-50/20-200	8.0 (200)	250 - 750	2.0 (50)	0.80 - 1.50 (20 - 38)	12
GelWrap-50/20-250	10.0 (250)	250 - 750	4.0 (100)	0.80 - 1.50 (20 - 38)	12
GelWrap-50/20-300	12.0 (300)	250 - 750	6.0 (150)	0.80 - 1.50 (20 - 38)	12
GelWrap-50/20-350	14.0 (350)	250 - 750	8.0 (200)	0.80 - 1.50 (20 - 38)	12
GelWrap-50/20-400	16.0 (400)	250 - 750	10.0 (250)	0.80 - 1.50 (20 - 38)	12
CPGI-GelWrap-UF-200	8.0 (200)	14/2 - 8/3 w/ground included connectors			5
CPGI-GelWrap-UF-250UL	10 (250)	14/2 - 8/3 w/ground included connectors			5

Notes: UL denotes UL & CSA for submersible applications

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

GelWrap closure 18/4 series 1.5" (38mm)

GelWrap closure 33/10 series 2.0" (51mm)

GelWrap closure 50/20 series 3.0" (75mm)

*Includes mechanical connector

Product Performance

Testing	Test Conditions
ANSI C119.1 - 1986	600 V 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

Ordering Information

- Selection is based on typical dimensions for low-voltage insulated cables.
- Related test reports:
EDR-5343 - 18/4;
EDR-5356 - 33/10,
EDR-5367 for 50/20,
EDR-5356 for GelWrap-33/10-250-I350M4 (A four screw connector is included).

For connector information refer to the Connectors and Terminals section of this catalog.