

Medium Voltage Stub Splice & Motor Connector Kits



GelCap 8 Motor Connection Kits 5-8 kV Shielded and Unshielded Cable

Tyco Electronics' GelCap 8 stub connection kits provide quick installation, dependable performance, and easy reentry.

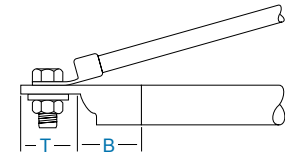
GelCap 8 stub connection kits insulate, seal, and protect stub splice connections up to 8 kV. The design was engineered to provide quick, secure installation and protection of the electrical connection from both physical and chemical attacks common in the harsh environment of motor connections.

Kits feature revolutionary PowerGel sealing gel which provides an excellent moisture seal over a wide temperature range (-40°C to 105°C). PowerGel sealing gel has excellent insulating properties and the added benefit of acting as a vibration damper.

The specially formulated material provides excellent abrasion resistance, insulation value, and UV resistance. The cap is designed to fit a wide range of cable sizes.

GelCap 8 stub connection kits provide the fastest installation. Simply place the gel filled insert between the cables and push the cover down over the connection. Secure with cable tie. No extra materials or grease are required. No trimming. The PowerGel sealing gel is already in the cap.

Selection Information: dimensions in inches (millimeters)



Catalog Number	Cap Length	Feeder Cable O.D.	Nominal Size	Lead Cable O.D.	Max. Length		
					Tang T	Barrel B	Bolt
GelCap-8-NS Non-Shielded Cable							
GELCAP-8-NS-1V	8.5 (216)	0.47-0.84 (12-21)	4-250 kcmil	0.43-0.67 (11-17)	1.33 (34)	1.00 (25)	0.75 (19)
GELCAP-8-NS-1VEX	11.5 (292)	0.47-0.84 (12-21)	4-250 kcmil	0.43-0.67 (11-17)	3.53 (90)	1.00 (25)	0.75 (19)
GELCAP-8-NS-2V	12.5 (318)	0.84-1.10 (21-28)	250-500 kcmil	0.67-0.84 (17-21)	3.92 (100)	2.25 (57)	1.0 (25)
GelCap-8-S Shielded Cable							
GELCAP-8-S-1V	8.5 (216)	0.67-1.00 (17-25)	4-2/0 AWG	0.40-0.62 (10-16)	1.33 (34)	1.00 (25)	0.75 (19)
GELCAP-8-S-1VEX	11.5 (292)	0.67-1.00 (17-25)	4-2/0 AWG	0.40-0.62 (10-16)	3.64 (92)	1.00 (25)	0.75 (19)
GELCAP-8-S-2V	12.5 (318)	1.00-1.35 (25-34)	4/0-500 kcmil	0.62-0.96 (16-24)	3.79 (96)	2.00 (51)	1.00 (25)

Shield O.D. (Min.)

Jacket O.D. (Max.)

Ground Kit* (Select Based on Shielded Cable Shield Diameter and Jacket Diameter Per Below)

GELCAP-8-GRD-1	.47 (12)	.70 (18)
GELCAP-8-GRD-2	.67 (17)	1.35 (34)

Kit contents - Each GELCAP-8-GRD kit contains the following: three each solder blocked ground braid, GelWrap sealing cover, roll spring, gel sealant strip, and six each copper tape strips and one installation instruction. If grounding is required at the motor box for shielded cable, a separate grounding kit may be purchased.

Product Performance

AC Voltage withstand: 18 kV, 1 minute

DC Voltage withstand: 35 kV, 15 minutes

Impulse Withstand (BIL): minimum performance 75 kV, 10+, 10-

Ordering Information

- Select appropriate catalog number based on the motor feeder cable and motor lead guidelines above. Selections are based on typical cable dimensions. Confirm selection with cable and connector dimensions.
- Packaging: Standard packaging is one kit per box. Each GelCap 8 kit contains three components for a 3 phase motor connection which consists of three each of the following: elastomeric, gel filled cap; a gel filled cable insert; and cable tie. The type S kits for shielded cable also contain three each stress control pads.
- Kits do not contain connectors.
- Related tests reports: [EDR-5408](#)