

High Voltage Splices, Terminations & Accessories



EHVT/GHVT 1/C Shielded Power Cable (46 and 69 kV)

Tyco Electronics' Raychem EHVT series high-voltage terminations utilize a stress control system that has been field-proven for more than 20 years.

Reduced Installation Costs

Because the 46 and 69 kV HVT kits use standard heat-shrink components, guide tubes are not needed for alignment, elastomer compression, computed venting, or field compound filling. Only standard cable support systems are needed, reducing steel structure or pole top support requirements.

Available in Gray Color

For applications where gray appearance is preferred, GHVT 69 kV terminations are now available. These terminations meet the same criteria as Tyco Electronics' EHVT kits. GHVT kits have gray outer tubes and skirts.

Superior High-Contamination Withstand and Non-Tracking

The unique high-voltage insulating sleeve is a field-proven, nontracking, and erosion-resistant material that does not require periodic cleaning. The material properties have been formulated to be thermally stable and highly resistant to UV degradation, weathering, and environmental pollution.

Positive Environmental Seal

The cable, along with external ground, is sealed from moisture ingress using Tyco Electronics' proven high-voltage, heat-activated scaling system. No field engineering or additional accessory kits are required.

Rated to IEEE-48, class 1, for outdoor (weather-exposed) use. For use on wire shield, wire/metallic-tape shield, lead sheath, and jacketed concentric neutral cables. Both kits contain a limited number of lightweight components with unlimited shelf life under normal storage conditions.

Selection Information: dimensions in inches (millimeters)

Catalog Number		Conductor Size	Insulation Diameter	Jacket O.D.	
Indoor	Outdoor	(AWG/kcmil)	(Min.-Max.)	(Max.)	
46 kV 32"					
40"					
EHVT-462-G	EHVT-462-SG	#2-4/0	1.18-1.77 (30-45)	2.36 (60)	
EHVT-463-G	EHVT-463-SG	250-750	1.47-2.05 (38-52)	2.75 (70)	
EHVT-464-G	EHVT-464-SG	1000-1500	1.97-2.56 (50-65)	3.35 (85)	
EHVT-465-G	EHVT-465-SG	1750-2500	2.48-3.03 (63-77)	3.94 (100)	
69 kV 42"					
52"					
EHVT-691-G	EHVT-691-SG	1/0-350	1.50-2.05 (38-52)	2.65 (67)	
EHVT-692-G	EHVT-692-SG	350-1000	1.95-2.55 (50-65)	3.25 (83)	
EHVT-693-G	EHVT-693-SG	1000-2000	2.50-3.05 (64-77)	3.95 (100)	
GHVT-69 kV (Gray) 40"					
52"		SSG 36"			
GHVT-691-G	GHVT-691-SG	GHVT-691-SSG	1/0-350	1.50-2.05 (38-52)	2.65 (67)
GHVT-692-G	GHVT-692-SG	GHVT-692-SSG	350-1000	1.95-2.55 (50-65)	3.25 (83)
GHVT-693-G	GHVT-693-SG	GHVT-693-SSG	1000-2000	2.50-3.05 (64-77)	3.95 (100)

Ordering Information

- Select the appropriate catalog number. Selections are based on the typical dimensions of 100% insulated cables and the dimensions of commonly used connectors manufactured in accordance with AEIC standard. Nominal insulation thickness (100%): 46 kV: 420 mils, 69 kV: 650 mils.
- For cables manufactured to other specifications, confirm selection with cable dimensions.
- Kits do not contain connectors; order compression or solder connectors separately.
- Standard package: 1 kit/box
- Installed length: 46 kV:
 - Indoor (-G): 32 (813)
 - Outdoor (-SG): 40 (1016)
 Installed Length 69 kV:
 - Indoor (-G): 42 (1067)
 - Outdoor (-SG): 52 (1321)
 - Outdoor (-SSG): 36 (915)
- Related test report: 46 kV: PPR-1085, 69 kV: [E DR-5241](#)
- EHVT-BRKT available to accommodate cable diameters from 2.5-4.5 (65-115 mm).
- EHVT-BP base plates for mounting the EHVT-BRKTs are also available.