

Medium Voltage Heat-Shrink Terminations



HVT/HVT-3 15 kV Terminations, (1/C, 3/C) PILC/VCLC

HVT-1590-G/SG and HVT-3-1590-G/SG series heat-shrinkable high voltage terminations combine proven oil-sealing capabilities with stress-control and nontracking technologies to terminate 15 kV 1/C and 3/C PILC/VCLC cables.

The HVT-1590-G/SG and HVT-3-1590-G/SG heat-shrinkable terminations install quickly and easily, with no need for special adapters, compound filling, leadwiping, or hot oils. The HVT-1590-G/SG and HVT-3-1590-G terminations are fully qualified to applicable sections of IEEE-48 to provide a long, trouble-free product life. In addition, these terminations have been pressure tested to perform at 110°C and 15 psi under load-cycling conditions.

- Rated to IEEE-48, class 1 termination
- Accommodates belted or shielded paper-insulated, lead-covered (PILC) or varnished cambric-insulated (VCLC) cable

Selection Information: dimensions in inches (millimeters)

Catalog Number		Conductor Size (AWG/kcmil)	Insulation Diameter (Min.)	Max Lead Sheath O.D.	Min. Lug O.D.	Min. Lug barrel Length	Installed Length	
Indoor	Outdoor						Indoor	Outdoor
HVT-1590-G/SG 1/C PILC/VCLC Cable								
HVT-1591-G	HVT-1591-SG	#4-2/0	0.60 (15)	0.95 (24)	0.51 (13)	1.50 (38)	22.4 (570)	22.4 (570)
HVT-1592-G	HVT-1592-SG	3/0-400	0.85 (22)	1.25 (32)	0.65 (16)	1.50 (38)	22.4 (570)	22.4 (570)
HVT-1593-G	HVT-1593-SG	400-1000	1.00 (25)	1.65 (42)	0.95 (24)	1.50 (38)	23.6 (600)	23.6 (600)
HVT-1594-G	HVT-1594-SG	1250-2000	1.75 (44)	2.20 (56)	1.25 (32)	1.50 (38)	23.6 (600)	23.6 (600)

Catalog Number		Conductor Size (AWG/kcmil)	Insulation Diameter (Min.)	Installed Length		Outdoor	
Indoor	Outdoor			Indoor (Min.)	(Max.)	(Min.)	(Max.)
HVT-3-1590-G/SG 3/C PILC/VCLC Cable							
HVT-3-1591-G	HVT-3-1591-SG	#4-4/0	0.60 (15)	31.5 (800)	35 (888)	28 (711)	40 (1015)
HVT-3-1592-G	HVT-3-1592-SG	4/0-400	0.85 (22)	31.5 (800)	35 (888)	28 (711)	40 (1015)
HVT-3-1593-G	HVT-3-1593-SG	500-800	1.00 (25)	31.5 (800)	35 (888)	28 (711)	40 (1015)

Ordering Information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100% insulated cables manufactured in accordance with AEIC standard. Nominal insulation thickness (100%): 165 mils
2. Lugs are not supplied in the kits and should be ordered separately. Use oil block lugs only.
3. Standard package quantity: 1 kit (Each 3/C kit contains all components required to terminate one 3/C PILC cable) per box.
4. Related test report: [EDR-5245](#)
5. To order cable prep kit.
6. Cable mounting brackets are available to accommodate cable diameters from 0.80-4.50 (20-115).