C_HVT-Z-J-SJ

HVT-Z-J/SJ

Terminations with Built-in Stress Control for Jacketed Concentric Neutral Cables

The Raychem HVT-Z medium voltage termination system features a co-extruded one-piece termination. Unlike the HVT product line, which includes a non-tracking tube and a separate stress control tube, the HVT-Z termination consists of the same proven non-tracking tube together with a co-extruded, built-in stress control grading layer. This stress control layer is based on ceramic semi-conductor technology (ZnO) and provides superior discharge and impulse performance. When the tubing is shrunk down, the coating softens and sticks to irregular surfaces, providing moisture seals as well as electrical stress control. The termination design provides a superior product with a shorter overall length and fewer rain sheds than the HVT product line.

- Reliable, field proven performance
- Slim profile and lightweight, can be installed upright or inverted
- Non-tracking material is maintenance free even in highly polluted environments
- Fully qualified Class 1 termination per IEEE-48 for a long, trouble free service life
- Unlimited shelf life

Selection Information: dimensions in inches (millimeters)

Indoor Kit	Outdoor Kit	Conductor Size (Min.-Max.)		Insulation Diameter (Min.-Max.)	Jacket O.D. (Max.)
15 kV		**15 kV (100%)**	**15 kV (133%)**		
HVT-Z-151-J	HVT-Z-151-SJ	#2-#1 AWG		0.60-0.95	1.05
HVT-Z-152-J	HVT-Z-152-SJ	#2/0-250 kcmil	#2-4/0 AWG	0.80-1.05	1.45
HVT-Z-153-J	HVT-Z-153-SJ	350-500 kcmil	250-500 kcmil	1.05-1.40	1.90
HVT-Z-154-J	HVT-Z-154-SJ	750-1000 kcmil	750-1000 kcmil	1.25-2.00	2.50
Installed Length 11.5' (300)					
25 kV/35 kV		**25 kV**	**35 kV**		
HVT-Z-252/352-J	HVT-Z-252/352-SJ	#1-3.0 AWGl		0.80-1.05	1.45
HVT-Z-253/353-J	HVT-Z-253/353-SJ	#4/0-500 kcmil	#1/0-4/0 AWG	0.05-1.40	1.90
HVT-Z-254/354-J	HVT-Z-254/354-SJ	750-1000 kcmil	250-1000 kcmil	1.25-2.00	2.50
Installed Length 20' (500)					

Ordering Information

1. Select the appropriate catalog number. All selections are based on the typical dimensions of 100% and 133% insulated cables manufactured in accordance with the data contained in AEIC CS5 and AEIC CS6, as well as the dimensions of commonly used connectors. Nominal Insulation thickness (100%): 15 kV: 175 mils, 25 kV: 260 mils, 35 kV: 345 mils. Nominal thickness (133%): 15 kV: 220 mils.
2. For cables manufactured to other specifications, confirm selection with cable dimensions.
3. Kits do not contain connectors. Order compression or solder connectors separately.
4. Indoor (-J) kits are suitable for unjacketed and jacketed URD cable.
5. Outdoor (-SJ) kits include skirts for outdoor use and are suitable for unjacketed and jacketed URD cable. To order skirts refer to Accessory and Tool section.
6. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40 inches (20-46 mm) refer to Accessory and Tools section for ordering information.
7. Standard package: 1 kit/box.
8. Refer to the Application and Technical Specification section for testing information.
9. Related test reports:
   Outdoor: 15 kV: EDR-5323, 25-35 kV: EDR-5338.
   Indoor: 15 kV: EDR-5322, 25-35 kV: EDR5338.

NOTE: If Legacy HVT Product is required please contact your local TE Connectivity sales representative.