

HVT-Z-J/SJ Terminations with Built-in Stress Control

FEATURES

- When the tubing is shrunk down, the coating softens and sticks to irregular surfaces, providing moisture seals as well as electrical stress control.
- TE's Raychem HVT-Z high-voltage terminations meet IEEE-48 standard Class I termination requirement.

APPLICATIONS

- As an option, the HVT-Z can also be ordered with TE's new line of Aluminum Shear Bolt Terminals. These are range taking mechanical connectors that will accommodate a conductor range from #2 compact to 1000 kcmil stranded, Class B.

BENEFITS

- Can be installed inverted or upright
- The main termination component consists of TE's Raychem non-tracking tube together with a co-extruded stress control grading layer. This stress control layer is based on ceramic semi-conductor technology (ZnO) and provides superior discharge and impulse performance.
- Unlimited shelf life when stored in normal conditions



PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Indoor Kit	Outdoor Kit	Min - Max Conductor Size		Insulation Dia (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	1.9
HVT-Z-154-J	HVT-Z-154-SJ	750-1000 kcmil	750-1000 kcmil	1.25-2.00	2.5
25 kV/35 kV**		25 kV	35 kV		
HVT-Z-252/352-J	HVT-Z-252/352-SJ	#1-3.0 AWG		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	1.05-1.40	1.9
HVT-Z-254/354-J	HVT-Z-254/354-SJ	750-1000 kcmil	250-1000 kcmil	1.25-2.00	2.5

*Installed Length 11.5' (300)

**Installed Length 20' (500)

ADDITIONAL PRODUCT INFORMATION

- 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.
- For cables manufactured to other specifications, confirm selection with cable dimensions.
- Kits do not contain connectors. Order compression, shear bolt, or solder connectors separately.
- Indoor (-J) kits are suitable for unjacketed and jacketed URD cable.
- Outdoor (-SJ) kits include skirts for outdoor use and are suitable for unjacketed and jacketed URD cable. To order additional skirts refer to Accessory and Tool section.
- 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.
- Standard package: 1 kit/box.
- Refer to the Application and Technical Specification section for testing information.
- Related test reports:
Outdoor: 15 kV: EDR-5323, 25-35 kV: EDR-5338.
Indoor: 15 kV: EDR-5322, 25-35 kV: EDR-5338.