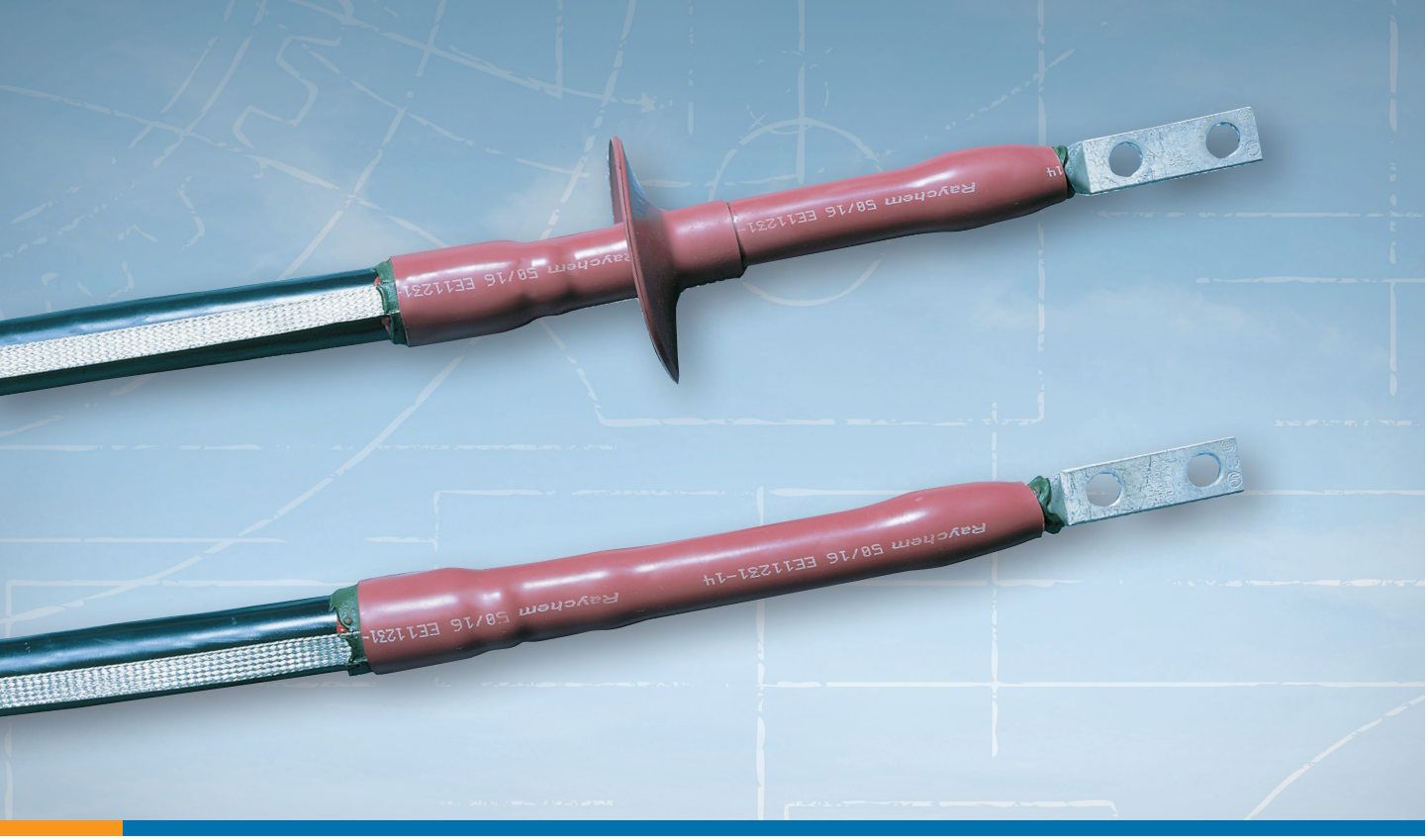


HIGH VOLTAGE TERMINATION (HVT-Z)

FOR SHIELDED CABLES

KEY FEATURES

- Co-extruded one-piece termination
- Built-in stress control
- As an option, the HVT-Z can also be ordered with TE's new line of Aluminum ShearBolt Terminals.
- These are range taking mechanical connectors that will accommodate a conductor range from #2 compact to 1000 kcmil stranded, Class B.

TE Connectivity's (TE) Raychem HVT-Z high voltage termination system features a new, co-extruded one-piece termination. The main termination component consists of the proven 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. When the tubing is shrunk down, the coating softens and sticks to irregular surfaces, providing moisture seals as well as electrical stress control.

HVT-Z high-voltage terminations are fully qualified per IEEE-48 as Class I terminations to provide a long, trouble-free service life.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.



PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)					
Indoor Kit	**Outdoor Kit**	**Conductor Size (min. - max.)**		**Insulation Dia. (min. - max.)**	**Jacket O.D. (max.)**
For Copper Tape Shield, Wire Shield, UniShield, and Lead Sheath Cables					
5/8 kV		**5 kV (0.90‴)**	**8 kV (0.115″)**		
HVT-Z-80-G/SG	-	#4-#1 AWG	#6-#2 AWG	0.35-0.60 (9-15)	0.95 (24)
HVT-Z-81-G/SG	-	1/0 AWG-250 kcmil	#1-4/0 AWG	0.60-0.95 (15-24)	1.20 (30)
HVT-Z-82-G/SG	-	300-500 kcmil	250-500 kcmil	0.80-1.25 (20-32)	1.50 (38)
HVT-Z-83-G/SG	-	600-1750 kcmil	600-1750 kcmil	1.10-1.75 (28-44)	2.10 (53)
HVT-Z-84-G/SG	-	1500-3500 kcmil	1500-2500 kcmil	1.60-2.45 (41-62)	2.75 (70)
Installed Length 11.5″ (295)		**Can be cut shorter for use with MCK kits**		**No Skirts for Outdoor Operation**	
15 kV		**15 kV (.175-.220″)**			
HVT-Z-151-G	**HVT-Z-151-SG**	#4-1/0 AWG	-	0.60-0.95 (15-24)	1.20 (30)
HVT-Z-152-G	**HVT-Z-152-SG**	2/0 AWG-350 kcmil	-	0.80-1.25 (20-32)	1.50 (38)
HVT-Z-153-G	**HVT-Z-153-SG**	400-1000 kcmil	-	1.10-1.75 (28-44)	2.10 (53)
HVT-Z-154-G	**HVT-Z-154-SG**	1250-2500 kcmil	-	1.60-2.45 (41-62)	2.75 (70)
Installed Length 11.5″ (295)					**1 Skirt for Outdoor Operation**
25 kV/35 kV		**25 kV (0.260″)**	**35 kV (0.345″)**		
HVT-Z-252/352-G	**HVT-Z-252/352-SG**	#2 AWG-250 kcmil	#1-1/0 AWG	0.80-1.25 (20-32)	1.50 (38)
HVT-Z-253/353-G	**HVT-Z-253/353-SG**	300-750 kcmil	2/0 AWG-500 kcmil	1.10-1.75 (28-44)	2.10 (53)
HVT-Z-254/354-G	**HVT-Z-254/354-SG**	1000-2000 kcmil	750-1750 kcmil	1.60-2.45 (41-62)	2.75 (70)
Installed Length 19.0″ (485)					**4 Skirts for Outdoor Operation**
Kits Include ShearBolt Terminal					
5/8 kV		**5 kV**	**8 kV**		
HVT-Z-81-G/SG-T5	-	1/0 AWG-250 kcmil	#1-4/0 AWG	0.60-0.95 (15-24)	1.20 (30)
HVT-Z-82-G/SG-T5	-	300-350 kcmil	250-350 kcmil	0.80-1.07 (20-27)	1.50 (38)
HVT-Z-83-G/SG-T8	-	350-500 kcmil	350-500 kcmil	0.85-1.25 (22-32)	1.50 (38)
HVT-Z-84-G/SG-T9	-	600-1000 kcmil	600-1000 kcmil	1.10-1.40 (28-36)	2.10 (53)
Installed Length 11.5” (295)					**No Skirts for Outdoor Operation**
15 kV		**15 kV**			
HVT-Z-151-G-T5	**HVT-Z-151-SG-T5**	#2-1/0 AWG	-	0.65-0.95 (17-24)	1.20 (30)
HVT-Z-152-G-T5	**HVT-Z-152-SG-T5**	2/0 AWG-350 kcmil	-	0.80-1.25 (20-32)	1.50 (38)
HVT-Z-153-G-T8	**HVT-Z-153-SG-T8**	400-500 kcmil	-	1.10-1.355 (28-34)	2.10 (53)
HVT-Z-153-G-T9	**HVT-Z-153-SG-T9**	600-1000 kcmil	-	1.215-1.65 (32-42)	2.10 (53)
Installed Length 11.5” (295)					**1 Skirt for Outdoor Operation**
25 kV/35 kV		**25 kV (0.260″)**	**35 kV (0.345″)**		
HVT-Z-252/352-G-T5	**HVT-Z-252/352-SG-T5**	#2 AWG-250 kcmil	#1-1/0 AWG	0.80-1.25 (20-32)	1.50 (38)
HVT-Z-253/353-G-T5	**HVT-Z-253/353-SG-T5**	300-350 kcmil	2/0 AWG-350 kcmil	1.10-1.50 (28-38)	2.0 (51)
HVT-Z-253/353-G-T8	**HVT-Z-253/353-SG-T8**	350-750 kcmil	350-500 kcmil	1.185-1.70 (30-43)	2.10 (53)
HVT-Z-254/354-G-T9	**HVT-Z-254/354-SG-T9**	600-1000 kcmil	600-1000 kcmil	1.60-1.79 (41-45)	2.75 (70)
Installed Length 19.0” (485)					**4 Skirts for Outdoor Operation**

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