

Single Core Tape Shield, Wire-Over-Tape Shield & LC Shield Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Indoor Kits

3M™ Cold Shrink QT-III Termination 7640-T-HSG & 7650-T-HSG Series for 5-35 kV

3M™ Cold Shrink QT-III Silicone Rubber Termination 7640-T-HSG and 7650-T-HSG Series are designed for applications requiring a high-ampacity ground. Each kit contains a one-piece, non-skirted, silicone rubber termination with high-ampacity ground assembly and is qualified as IEEE Standard 48 Class 1 for indoor and weather-protected applications. The termination assembly consists of a tubular insulator, high-dielectric constant (Hi-K) stress control tube, conformable Hi-K stress controlling compound and built-in environmental top seal. The insulator is made of a dark gray silicone rubber with excellent tracking resistance and hydrophobic properties. The complete assembly is pre-stretched and loaded onto a removable core which can be recycled. The kits are designed for terminating solid dielectric shielded power cable rated 5–35 kV, with tape shield, wire-over-tape shield and longitudinally corrugated (LC) shield constructions.

Each kit contains sufficient quantities of material to make one termination. Lugs need to be ordered separately.

Number of Conductors	Single Conductor
Shielding Type	Tape Shield, Wire-Over-Tape Shield, Longitudinally Corrugated (LC) Shield
Indoor/Outdoor	Indoor
Breakout Boot	No
Insulation Rejacketing	No
No. Skirts	0
Voltage	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
Packaging	1 kit per case (one termination per kit)



Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 5 kV	Conductor Size 8 kV	Conductor Size 15 kV	Conductor Size 25/28 kV	Conductor Size 35 kV
7642-T-HSG-110	054007-41765	110 kV	12.0" (305 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm²)	-	-
7644-T-HSG-110	054007-41767	110 kV	12.0" (305 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm²)	-	-
7645-T-HSG-110	054007-41769	110 kV	12.0" (305 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm²)	-	-
7646-T-HSG-110	054007-41771	110 kV	12.0" (305 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm²)	-	-
7653-T-HSG-150	054007-41773	150 kV	16.0" (406 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0-300 kcmil (70-150 mm²)	2-4/0 AWG (35-120 mm²)	2-2/0 AWG (35-70 mm²)
7655-T-HSG-150	054007-41775	150 kV	16.0" (406 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm²)	250-800 kcmil (150-400 mm²)	3/0 AWG-600 kcmil (95-325 mm²)
7656-T-HSG-150	054007-41777	150 kV	16.0" (406 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm²)	900-1750 kcmil (500-800 mm²)	700-1500 kcmil (400-725 mm²)