



## Electrical Utility

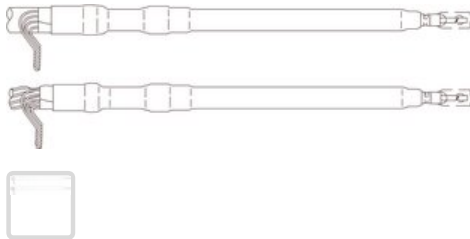
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# 3M™ Cold Shrink QT-III Termination Kit 7655-T-HSG-150, Longitudinally Corrugated and Wire Over Tape, Non-Skirted High Amp, 5-35 kV, 1.05-1.80 in (26,7-45,7 mm) Cable Insul. O.D., 1 termination/kit

3M ID 80610834246 UPC# 00054007417750 Part Number 7655-T-HSG-150



3M™ Cold Shrink QT-III 7640-T-HSG & 7650-T-HSG Series Termination Kit includes a non-skirted, 1-piece termination. It ensures a pliable, tight seal for tape shield, wire-over-tape shield and longitudinally corrugated shield power cables. The conjunction of high dielectric-constant material and sealing compounds allows the termination to withstand voltages of 5 to 35kV.

- Provides a void-free seal to tape shield, wire-over-tape shield and longitudinally corrugated shield power cables
- High dielectric-constant material regulates the distribution of electric field stress
- Suitable for indoor and high-ampacity ground applications
- Termination has 1.05 to 1.80-in insulation O.D.
- Accommodates wire sizes of 700 to 1500 kcmil at 5kV, 600 to 1250 kcmil at 8 kV, 500 to 1000 kcmil at 15kV, 250 to 800 kcmil at 25/28 kV, 3/0 AWG to 600 kcmil at 35kV
- Molded, silicone rubber insulation offers durability and provides constant radial pressure
- Withstands voltages of 5 to 35kV and is 150 kV BIL-rated
- Includes a non-skirted, cold shrink termination
- IEEE Standard 48 Class 1 Approved for indoor and weather-protected applications

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**Overview****Documents**

3M™ Cold Shrink QT-III 7640-T-HSG & 7650-T-HSG Series Termination Kit is designed for terminating medium voltage cables. The hydrophobic, track-resistant, silicone rubber insulation makes the termination suitable for high-ampacity ground applications. The lower surface stress, high dielectric-constant material offers an optimized BIL performance while ensuring a leak-proof, compact fit. IEEE Standard 48 Class 1 Approved for indoor and weather-protected applications.

**Conductor Size Range for**

- 5 kV: 700-1500 kcmil
- 8 kV: 600-1250 kcmil
- 15 kV: 500-1000 kcmil
- 25/28 kV: 250-800 kcmil
- 35 kV: 3/0 AWG-600 kcmil

This termination is compatible with the following lugs:

QL2-A-350-750, for conductor range: 500-750 kcmil (15kV), 350-750 kcmil (25/28kV), 350-500 kcmil (35kV)

QL2-A-4/0-600, for conductor range: 500 kcmil (15kV), 250-500 kcmil(25/28kV), 4/0 AWG-600 kcmil (35kV)

**Specifications**

<b>Agency Approvals</b>	IEEE
<b>BIL</b>	150 kV
<b>Breakout Boot</b>	No
<b>Cable Insulation Outside Diameter Range</b>	1.05-1.80 in
<b>Cable Insulation Outside Diameter Range (metric)</b>	26.7-45.7 mm
<b>Compatible Lug</b>	QL2-A-4/0-600, QL2-A-350-750
<b>Conductor Sizes</b>	250 kcmil, 500 kcmil, 3/0 AWG, 400 kcmil, 700 kcmil, 900 kcmil, 1500 kcmil, 750 kcmil, 1000 kcmil, 800 kcmil, 600 kcmil, 1250 kcmil, 300 kcmil, 4/0 AWG, 350 kcmil
<b>Family</b>	QT-III
<b>Indoor/Outdoor</b>	Indoor Non-skirted
<b>Insulation Level</b>	100%, 133%
<b>Insulation Rejacketing</b>	No
<b>Lug/Stem Connector Included in Kit</b>	No
<b>Maximum Installed Length</b>	16.00 in
<b>Number of Conductors</b>	1
<b>Number of Skirts</b>	0
<b>Product Family</b>	QT-III
<b>Product Series</b>	7650-T-HSG-150
<b>RoHS 2011/65/EU Compliant</b>	Undetermined
<b>RoHS EU Comments</b>	Contact 3M for information *Important RoHS information
<b>Shielding Type</b>	Longitudinally Corrugated (LC), Wire-Over-Tape Shield, Tape Shield
<b>Trademark</b>	3M
<b>Voltage</b>	8 kV, 35 kV, 25/28 kV, 5 kV, 15 kV

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