

3M 7690-S Cold Shrink QT-III Silicone Rubber Skirted Termination Kits

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

3M™ Cold Shrink QT-III Silicone Rubber Skirted Termination Kits, 7620-S, 7680-S and 7690-S Series, contain one-piece, skirted, silicone Rubber Skirted Terminations, qualified as IEEE Standard 48 Class 1 for outdoor weather-exposed applications. The termination assemblies consist of a skirted insulator, high-dielectric constant (High-K) stress control tube, conformable High-K stress controlling compound and built-in environmental top sealing compound. The insulator is made of a dark gray silicone rubber with excellent tracking resistance and hydrophobic properties. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-7690-S-Cold-Shrink-QT-III-Silicone-Rubber-Skirted-Termination-Kits.php

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--------------|-----------|---------------------------------------|
| Tensile Strength at Break | 5.86 MPa | 850 psi | Silicone Rubber Insulator; ASTM D412 |
| | 10.3 MPa | 1490 psi | High-K Stress Control Tube; ASTM D412 |
| 100% Modulus | 0.000896 GPa | 0.130 ksi | Silicone Rubber Insulator; ASTM D412 |
| | 0.00110 GPa | 0.160 ksi | High-K Stress Control Tube; ASTM D412 |
| 300% Modulus | 0.00124 GPa | 0.180 ksi | High-K Stress Control Tube; ASTM D412 |
| | 0.00276 GPa | 0.400 ksi | Silicone Rubber Insulator; ASTM D412 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------------------|----------------------|--|
| Dielectric Constant | 3.6 | 3.6 | Silicone Rubber Insulator, 1000 V, 50% RH; ASTM D150 |
| | @Frequency 60.0 Hz | @Frequency 60.0 Hz | |
| | 22 | 22 | High-K Stress Control Tube, 1000 V, 50% RH; ASTM D150 |
| | @Frequency 60.0 Hz | @Frequency 60.0 Hz | |
| | 25 | 25 | High-K Stress Control Compound, 1000 V, 50% RH, 100 mil; ASTM D150 |
| | @Frequency 60.0 Hz | @Frequency 60.0 Hz | |
| Dielectric Strength | 11.8 kV/mm | 300 kV/in | Environmental Sealing Compound; ASTM D149 |
| | @Thickness 1.91 mm | @Thickness 0.0750 in | |
| | 19.7 kV/mm | 500 kV/in | Silicone Rubber Insulator; ASTM D149 |
| | @Thickness 1.91 mm | @Thickness 0.0750 in | |
| | 0.0030 | 0.0030 | |

| Designation Factor Electrical Properties | Metric @Frequency 60.0 Hz | English @Frequency 60.0 Hz | Comments Silicone Rubber Insulator, 1000 V, 50% RH; ASTM D150 |
|---|--|---|---|
| | 0.10 @Frequency 60.0 Hz | 0.10 @Frequency 60.0 Hz | High-K Stress Control Tube, 1000 V, 50% RH; ASTM D150 |
| | 0.90 @Thickness 2.54 mm, Frequency 60.0 Hz | 0.90 @Thickness 0.100 in, Frequency 60.0 Hz | High-K Stress Control Compound, 1000 V, 50% RH; ASTM D150 |
| Track Resistance | 18000 sec | 18000 sec | 3.5 kV; ASTM 2303 |

| Descriptive Properties | Value | Comments |
|------------------------|-----------|----------|
| Appearance | Dark Gray | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China