



Product: [85109](#)

Electronic, 9 C #16 Str TC, ETFE Ins, ETFE Jkt

[Request Sample](#)

Product Description

High Temperature Electronic, 9 Conductor 16AWG (19x29) Tinned Copper, ETFE Insulation, ETFE Outer Jacket

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | extreme high/low temperature environments; chemical resistant; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); instrumentation |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|--------------------|
| Conductor(s) | 9 | 16 AWG | 19x29 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|-------------------------------------|----------------------|--------------------------|---|
| Conductor(s) | ETFE - Ethylene Tetrafluoroethylene | 0.0135 in (0.343 mm) | 0.082 in (2.1 mm) | Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black |

Outer Shield

| |
|-----------------|
| Material |
| No Shield |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|-------------------------------------|--------------------|---------------|
| ETFE - Ethylene Tetrafluoroethylene | 0.024 in (0.61 mm) | 0.354 in |

Overall Cable Diameter (Nominal): 0.354 in.

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|--------------------|--------------------------------|
| 4.76 Ohm/1000ft | 8.5 Amps per Conductor at 25°C |

Voltage

| |
|-----------------------|
| Voltage Rating |
| 300 V |

Mechanical Characteristics

Temperature

| |
|------------------|
| Operating |
| -60°C To +150°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 3.54 in (89.9 mm) | 3.54 in |

Max. Pull Tension: 360 lbs (160 kg)

| | |
|--------------------|----------------|
| Bulk Cable Weight: | 111 lbs/1000ft |
|--------------------|----------------|

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | VW-1 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

| | |
|--------|----------------------------------|
| Notes: | Tefzel is a trademark of Dupont. |
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History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.337 Revision Date: 12-21-2021 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|--------------------|------------|----------|--------------|
| 85109 3681000 | Clear, Transparent | Reel | 1,000 ft | 612825210610 |

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