

# Product: 85221

Electronic, 2 C #16 Str TC, ETFE Ins, ETFE Jkt

Request Sample

## Product Description

High Temperature Electronic, 2 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 | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 2 | 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, Red |

**Outer Shield**

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

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter |
|---|---|---|
| ETFE - Ethylene Tetrafluoroethylene | 0.02 in (0.51 mm) | 0.215 in |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.215 in. |

### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Max. Current |
|---|---|
| 4.27 Ohm/1000ft | 12 Amps per Conductor at 25ºC |

**Voltage**

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

### Mechanical Characteristics

**Temperature**

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

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 2.15 in (54.6 mm) | 2.15 in |

| | |
|---|---|
| Max. Pull Tension: | 80 lbs (36 kg) |

| | |
|---|---|
| Bulk Cable Weight: | 30 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. |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.346 Revision Date: 02-15-2024 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---|---|---|---|---|---|
| 85221 368500 | Clear, Transparent | Reel | 500 ft | 612825211747 | C |

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