



**Product:** [85102](#)

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
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	16	19x29	TC - Tinned Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
ETFE - Ethylene Tetrafluoroethylene	0.0145 in (0.368 mm)	0.082 in (2.1 mm)	Black, White

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
ETFE - Ethylene Tetrafluoroethylene	0.019 in (0.48 mm)	0.211 in (5.36 mm)

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
4.76 Ohm/1000ft	20 pF/ft (66 pF/m)	9.5 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.
2.11 in (53.6 mm)	2.11 in (53.6 mm)

Max. Pull Tension:	64.8 lbs (29.4 kg)
Bulk Cable Weight:	28 lbs/1000ft

### Standards and Compliance

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)
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APAC Compliance:	China RoHS II (GB/T 26572-2011)
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**Product Notes**

Notes:	Tefzel is a trademark of Dupont.
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**History**

Update and Revision:	Revision Number: 0.479 Revision Date: 02-15-2024
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**Part Numbers**

**Variants**

Item #	Color	Putup Type	Length	UPC	Footnote
85102 368500	Clear, Transparent	Reel	500 ft	612825210597	C
85102 3681000	Clear, Transparent	Reel	1,000 ft	612825210580	C

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