



**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	Number of Element	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: 0.419 Revision Date: 01-11-2022
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## Part Numbers

### Variants

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

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