



**Product:** [85103](#)

Electronic, 3 C #16 Str TC, ETFE Ins, ETFE Jkt

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**Product Description**  
High Temperature Electronic, 3 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)	3	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

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
ETFE - Ethylene Tetrafluoroethylene	0.019 in (0.48 mm)	0.223 in

Overall Cable Diameter (Nominal): 0.223 in.

**Electrical Characteristics**

Electricals	
Nom. Conductor DCR	Max. Current
4.76 Ohm/1000ft	12 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.
2.23 in (56.6 mm)	2.23 in

Max. Pull Tension:	120 lbs (54 kg)
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Bulk Cable Weight:	40 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	VW-1
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
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: 0.376 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
85103 3681000	Clear, Transparent	Reel	1,000 ft	612825210603	C

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