



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

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

[Request Sample](#)

## 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	Number of Element	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

<b>Material</b>
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

<b>Voltage Rating</b>
300 V

### Mechanical Characteristics

#### Temperature

<b>Operating</b>
-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)

Bulk Cable Weight:	40 lbs/1000ft
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## 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: 0.367 Revision Date: 12-21-2021
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## Part Numbers

### Variants

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

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