



Product: [85109](#)

Electronic, 9 C #16 Str TC, ETFE Ins, ETFE Jkt

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Product Description
High Temperature Electronic, 9 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)	9	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, Green, Orange, Blue, White/Black, Red/Black, Green/Black

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
ETFE - Ethylene Tetrafluoroethylene	0.024 in (0.61 mm)	0.354 in

Overall Cable Diameter (Nominal): 0.354 in.

Electrical Characteristics

Electricals	
Nom. Conductor DCR	Max. Current
4.76 Ohm/1000ft	8.5 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.
3.54 in (89.9 mm)	3.54 in

Max. Pull Tension:	360 lbs (160 kg)
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Bulk Cable Weight:	111 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: 0.345 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
85109 3681000	Clear, Transparent	Reel	1,000 ft	612825210610	C

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