



Product: [85109](#)

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

[Request Sample](#)

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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	9

Conductor Count: 9

Insulation

Material	Material Trade Name	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.0135 in

Color Chart

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White w/Black Stripe
8	Red w/Black Stripe
9	Green w/Black Stripe

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.354 in	0.024 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.76 Ohm/1000ft

Inductance

Nominal Inductance
0.17 μ H/ft

Current

Max. Recommended Current [A]
9.5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	150°C
Operating Temp Range:	-60°C To +150°C

Mechanical Characteristics

Bulk Cable Weight:	111.5 lbs/1000ft
Max. Pull Tension:	274 lbs
Min Bend Radius/Minor Axis:	4 in

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	Tefzel is a trademark of Dupont.
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History

Update and Revision:	Revision Number: 0.256 Revision Date: 02-16-2021
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