



REPRESENTATIVE IMAGE

Product: [85231](#)

Electronic, 2 C #16 Str TC, ETFE Ins, OS, ETFE Jkt

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Product Description

High Temperature Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, ETFE Insulation, Overall Beldfoil® Shield, 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	AWG	Stranding	Material
Conductor(s)	2	16	19x29	TC - Tinned Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Conductor(s)	ETFE - Ethylene Tetrafluoroethylene	0.014	Black, Red

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Kapton®)	100%	18 AWG (7x26) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter
ETFE - Ethylene Tetrafluoroethylene	0.020 in	0.210 in

Cable Diameter (Nominal):	0.210 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	4.27 Ohm/1000ft	44 pF/ft	79 pF/ft	6.5 Amps per Conductor at 25°C

Voltage

Non-UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
-60°C to +150°C

Bend Radius

Installation Min.
2.1 in

Max. Pull Tension:	102 lbs
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Bulk Cable Weight:	34 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	VW-1
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.350 Revision Date: 09-30-2020
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