



**Product:** [85241](#)

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

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**Product Description**

High Temperature Electronic, 3 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)	3	16	19x29	TC - Tinned Copper

**Insulation**

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

**Outer Shield Material**

Shield Type	Material	Coverage	Drainwire Type
Tape	Alum / Kapton®	100%	18 AWG (7x26) TC

**Outer Jacket Material**

Material	Thickness	Nom. Diameter
ETFE - Ethylene Tetrafluoroethylene	0.020 in	0.225 in

Cable Diameter (Nominal):	0.225 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	34 pF/ft	61.2 pF/ft	7 Amps per Conductor at 25°C

**Voltage**

Non-UL Voltage Rating
350 V

**Mechanical Characteristics**

**Temperature**

Operating
-60°C to +150°C

**Bend Radius**

Stationary Min.	Installation Min.
2.25 in	2.3 in

Max. Pull Tension:	142 lbs
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Bulk Cable Weight:	45 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 (UL Loading), IEC 60332-1-2
CPR Euroclass:	Eca
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)

## Product Notes

Notes:	Tefzel and Kapton are DuPont trademarks.
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## History

Update and Revision:	Revision Number: 0.332 Revision Date: 07-31-2020
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