



REPRESENTATIVE IMAGE

**Product:** [88770](#)

Electronic, 3 C #18 Str TC, FEP Ins, OS, FEP Jkt, CMP

[Request Sample](#)

## Product Description

High Temperature Electronic, 3 Conductor 18AWG (19x30) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, FEP Outer Jacket, CMP

## Technical Specifications

### Product Overview

Suitable Applications:	extreme high/low temperature environments; chemical resistant; outdoor and burial applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	3	18	19x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.007 in	Black, White, Red

#### Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (19x32) TC

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.014 in	0.155 in

Cable Diameter (Nominal): 0.155 in

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	6.4 Ohm/1000ft	54 pF/ft	96 pF/ft	11.5 Amps per Conductor at 25°C

Nom Outer Shield DCR: 7.3 Ohm/1000ft

#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
150°C	-70°C to +200°C

#### Bend Radius

Stationary Min.	Installation Min.

1.75 in	1.6 in
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Max. Pull Tension:	74 lbs
Bulk Cable Weight:	28 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	NFPA 262, FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
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)
Non-Plenum Number:	8770

## Product Notes

Notes:	Gas Resistant
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## History

Update and Revision:	Revision Number: 0.369 Revision Date: 02-16-2021
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