



**Product:** [88760](#)

Electronic, 2 C #18 Str TC, FEP Ins, OS, FEP Jkt, CMP

[Request Sample](#)

## Product Description

High Temperature Electronic, 2 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 digital control (24v, ...); line level audio; wet locations; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	18	19x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness [in.]	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007	Black, Red

#### Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.014 in	0.146 in

Cable Diameter (Nominal): 0.146 in

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	5.5 Ohm/1000ft	51 pF/ft	97 pF/ft	29 Ohm	69%	5.4 Amps per Conductor at 25°C

Nom Outer Shield DCR: 7.3 Ohm/1000ft

#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

Operating
-70°C to +200°C

#### Bend Radius

Stationary Min.	Installation Min.
1.5 in	1.5 in

Max. Pull Tension:	62 lbs
Bulk Cable Weight:	23 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Oil Resistance, Burial
Flammability / Fire Resistance:	UL1685 FT4 Loading, FT4, 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)
Non-Plenum Number:	8760

## Product Notes

Notes:	For use in indoor plenum environments but also suitable for outdoor and underground applications. Gas/vapor-tight jacket.
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## History

Update and Revision:	Revision Number: 0.374 Revision Date: 09-30-2020
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