



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	Size	Stranding	Material
Pair(s)	1	18 AWG	19x30	TC - Tinned Copper

Insulation			
Element	Material	Nom. Thickness	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in (0.18 mm)	Black, Red

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.014 in (0.36 mm)	0.146 in (3.71 mm)

Cable Diameter (Nominal):	0.146 in (3.71 mm)
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Electrical Characteristics

Electricals						
Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	5.5 Ohm/1000ft (18 Ohm/km)	51 pF/ft (170 pF/m)	97 pF/ft (320 pF/m)	29 Ohm	69%	5.4 Amps per Conductor at 25°C

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 (38 mm)	1.5 in (38 mm)
Max. Pull Tension:	62 lbs (28 kg)
Bulk Cable Weight:	23 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Oil Resistance, Burial
Flammability / Reaction to Fire:	NFPA 262 Plenum Flame Test (UL 910), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), 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: 0.418 Revision Date: 10-13-2021
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Variants

Item #	Color	Putup Type	Length	UPC
88760 002100	Red	Reel	100 ft	612825217275
88760 002500	Red	Reel	500 ft	612825217312
88760 002U500	Red	UnReel	500 ft	612825217268
88760 0021000	Red	Reel	1,000 ft	612825217282
88760 002U1000	Red	UnReel	1,000 ft	612825217251
88760 0025000	Red	Reel	5,000 ft	612825217329
88760 00210000	Red	Reel	10,000 ft	612825217299
88760 00220000	Red	Reel	20,000 ft	612825217305

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