



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	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in (0.18 mm)	0.057 in (1.4 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	0.015 in (0.38 mm)	0.148 in (3.76 mm)

Overall Cable Diameter (Nominal):	0.148 in (3.76 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 Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	7.06 Ohm/1000ft	51 pF/ft (170 pF/m)	97 pF/ft (320 pF/m)	29 Ohm	69%	17 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
150°C	-20°C to +150°C

Bend Radius

Stationary Min.	Installation Min.

1.5 in (38 mm)	1.5 in (38 mm)
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Max. Pull Tension:	62 lbs (28 kg)
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Bulk Cable Weight:	22 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Oil Resistance, Burial
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Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2
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CPR Compliance:	CPR Euroclass: Eca
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NEC / UL Compliance:	Article 800, CMP
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CEC / C(UL) Compliance:	CMP
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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)
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UK Regulation Compliance:	UKCA Mark
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Non-Plenum Number:	8760
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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: 0.552 Revision Date: 04-19-2023
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Part Numbers

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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