BELDEN
SENDING ALL THE RIGHT SIGNALS

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

Construction Details

Conductor

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

Insulation

Element	Material	Thickness	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in	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 Impedence	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 25ºC

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.

History

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