



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	No. of Elements	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)
-----------------------------------	--------------------

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)

Max. Pull Tension: 62 lbs (28 kg)

Bulk Cable Weight: 22 lbs/1000ft

Standards and Compliance

Environmental Suitability: Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Oil Resistance, Burial

Flammability / Reaction to Fire: NFPA 262, UL 910 (Plenum), 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), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

UK Regulation Compliance: UKCA Mark

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: 0.589 Revision Date: 02-15-2024

Part Numbers

Variants

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

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.