



Product: [88761](#)

Electronic, 2 C #22 Str TC, FEP Ins, OS, FEP Jkt, CMP

Request Sample

Product Description

High Temperature Electronic, 2 Conductor 22AWG (7x30) 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; voice communications; panel wiring
------------------------	---

Construction Details

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in (0.18 mm)	0.042 in (1.1 mm)	Black, Red

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Material	Nom. Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.014 in (0.36 mm)	0.116 in (2.95 mm)

Overall Cable Diameter (Nominal):	0.116 in (2.95 mm)
-----------------------------------	--------------------

Electrical Characteristics

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
Pair(s)	18.2 Ohm/1000ft	35 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	42 Ohm	9 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.
1.2 in (30 mm)	1.2 in (30 mm)

Max. Pull Tension:	27.3 lbs (12.4 kg)
Bulk Cable Weight:	13 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT4, 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
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	8761

Product Notes

Notes:	For use in indoor plenum environments but also suitable for outdoor and underground applications. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
--------	---

History

Update and Revision:	Revision Number: 0.586 Revision Date: 02-15-2024
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
88761 002100	Red	Reel	100 ft	612825217343	C
88761 002500	Red	Reel	500 ft	612825217367	C
88761 0021000	Red	Reel	1,000 ft	612825217350	C
88761 002U1000	Red	UnReel	1,000 ft	612825217336	
88761 0025000	Red	Reel	5,000 ft	612825217374	

© 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.