



**Product:** [89740](#)

Electronic, 2 C #18 Str TC, FEP Ins, FEP Jkt, CMP

[Request Sample](#)

**Product Description**

High Temperature Electronic, 2 Conductor 18AWG (19x30) Tinned Copper, FEP Insulation, FEP Outer Jacket, CMP

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
18	19x30	TC - Tinned Copper	1

Conductor Count: 2

**Insulation**

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

**Color Chart**

Number	Color
1	Black & Red

**Outer Shield Material**

Material
No Shield

**Outer Jacket Material**

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.132 in	0.009 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
5.5 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor
20 pF/ft

**Inductance**

Nominal Inductance
0.14 µH/ft

**Impedance**

Nominal Characteristic Impedance
72 Ohm

**Current**

**Max. Recommended Current [A]**

5.4 Amps per conductor @ 25°C

**Voltage****UL Voltage Rating**

300 V RMS

**Temperature Range**

Operating Temp Range: -70°C To +200°C

**Mechanical Characteristics**

Bulk Cable Weight: 15 lbs/1000ft

Max Recommended Pulling Tension: 49 lbs

Min Bend Radius/Minor Axis: 1.5 in

**Standards**

NEC Articles: 800

NEC/(UL) Specification: CL3P, CMP

CEC/C(UL) Specification: CMP

**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

MII Order #39 (China RoHS): Yes

**Flammability, LSOH, Toxicity Testing**

UL Flammability: NFPA 262

CSA Flammability: FT6

UL voltage rating: 300 V RMS

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

**Part Number**

Non-Plenum Number: 9740

**Variants**

Item #	Color	UPC	Length	Footnote
89740 002100	Red	612825221227	100 ft	C
89740 0021000	Red	612825221234	1,000 ft	C
89740 0023000	Red	612825221241	3,000 ft	C Z
89740 002500	Red	612825221258	500 ft	C
89740 0025000	Red	612825221265	5,000 ft	C Z

Footnote: C - CRATE REEL PUT-UP.

Footnote: Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

**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: 0.287 Revision Date: 04-02-2020

© 2020 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.