


Product: [85102](#)
Electronic, 2 C #16 Str TC, ETFE Ins, ETFE Jkt
[Request Sample](#)
Product Description

High Temperature Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, ETFE Insulation, ETFE Outer Jacket

Technical Specifications
Product Overview

Suitable Applications:	extreme high/low temperature environments; chemical resistant; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); instrumentation
------------------------	---

Construction Details
Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	16	19x29	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
ETFE - Ethylene Tetrafluoroethylene	0.0145 in (0.368 mm)	0.082 in (2.1 mm)	Black, White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
ETFE - Ethylene Tetrafluoroethylene	0.019 in (0.48 mm)	0.211 in (5.36 mm)

Electrical Characteristics
Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
4.76 Ohm/1000ft	20 pF/ft (66 pF/m)	0.17 μ H/ft (0.56 μ H/m)	9.5 Amps per Conductor at 25°C

Voltage

Voltage Rating
300 V

Mechanical Characteristics
Temperature

Operating
-60°C To +150°C

Bend Radius

Stationary Min.	Installation Min.
2.11 in (53.6 mm)	2.11 in (53.6 mm)

Max. Pull Tension:	64.8 lbs (29.4 kg)
Bulk Cable Weight:	28 lbs/1000ft

Standards and Compliance

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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:

Tefzel is a trademark of Dupont.

History

Update and Revision:

Revision Number: 0.481 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
85102 368500	Clear, Transparent	Reel	500 ft	612825210597	C
85102 3681000	Clear, Transparent	Reel	1,000 ft	612825210580	C

Footnote:

C - CRATE REEL PUT-UP.

© 2026 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 "AS IS" 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.