



Product: [85240](#)

Electronic, 3 C #20 Str TC, ETFE Ins, OS, ETFE Jkt

[Request Sample](#)

Product Description

High Temperature Electronic, 3 Conductor 20AWG (7x28) Tinned Copper, ETFE Insulation, Overall Beldfoil® Shield, 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)	3	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	ETFE - Ethylene Tetrafluoroethylene	0.015 in (0.38 mm)	0.068 in (1.7 mm)	Black, Red, Green

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
ETFE - Ethylene Tetrafluoroethylene	0.020 in (0.51 mm)	0.193 in (4.90 mm)

Overall Cable Diameter (Nominal):	0.193 in (4.90 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	11.2 Ohm/1000ft	26.5 pF/ft (86.9 pF/m)	47.7 pF/ft (156 pF/m)	6.2 Amps per Conductor at 30°C

Voltage

Voltage Rating
350 V

Mechanical Characteristics

Temperature

Operating
-30°C to +150°C

Bend Radius

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	47 lbs (21 kg)
--------------------	----------------

Bulk Cable Weight:	27 lbs/1000ft
--------------------	---------------

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1581 (VW-1)
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Tefzel and Kapton are DuPont trademarks.
--------	--

History

Update and Revision:	Revision Number: 0.508 Revision Date: 02-03-2025
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
85240 3681000	Clear, Transparent	Reel	1,000 ft	612825212409	C

© 2025 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.