



REPRESENTATIVE IMAGE

Product: [83319E](#)

Electronic, 2 C #22 Str SPC, TFE Ins, OA SPC Brd, TFE Tape Jkt, MIL-W-16878/4 (Type E)

[Request Sample](#)

Product Description

High Temperature Electronic, 2 Conductor 22AWG (19x34) Silver Plated Copper, TFE Insulation, Overall Silver Plated Copper Braid(85%) Shield, TFE Tape Outer Jacket, MIL-W-16878/4 (Type E)

Technical Specifications

Product Overview

Suitable Applications:	MIL-W-16878/4 (Type E) Spec; Extreme High/Low Temperature Environments; up to 600V analog signals & voltage control
------------------------	---

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	2	22	19x34	SC - Silvered Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Conductor(s)	PTFE - Polytetrafluoroethylene	0.010	White, Black

Outer Shield Material

Shield Type	Material	Coverage
Braid	Silvered Copper (SC)	85%

Outer Jacket Material

Material	Thickness	Nom. Diameter
PTFE - Polytetrafluoroethylene	0.011 in	0.143 in

Cable Diameter (Nominal):	0.143 in
---------------------------	----------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	14.6 Ohm/1000ft	29.9 pF/ft	49.2 pF/ft	5 Amps per conductor at 25°C
Nom Outer Shield DCR:	5.7 Ohm/1000ft			

Voltage

Non-UL Voltage Rating
600 V

Mechanical Characteristics

Temperature

Operating
-65°C to +200°C

Bend Radius

Stationary Min.	Installation Min.
1.5 in	1.4 in

Max. Pull Tension:	43.8 lbs
Bulk Cable Weight:	17 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	IEC 60332-1-2
NEMA Compliance:	NEMA HP3
Military Compliance:	MIL-W-16878/4 (Type E except stranding), (insulated conductors)
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	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: 0.357 Revision Date: 09-30-2020
----------------------	--

© 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[83319E 0091000](#) [83319E 009500](#) [83319E 009100](#)