

Part Number: 83320E

MIL-W -16878/4 (Type E), (2) 20 AWG (19x32) SPC,
TFE/TFE, SPC Braid Shld

Product Description

Two 20 AWG stranded (19x32) silver-plated copper conductors, Teflon® (TFE) insulation, silver plated copper braid shield (85% coverage), Teflon® (TFE) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
20	19x32	SPC - Silver Plated Copper	2
Total Number of Conductors:			2

Insulation:

Material	Material Trade Name	Nominal Wall Thickness
TFE - Tetrafluoroethylene	Teflon®	0.01 in

Color Chart 1:

Number	Color
1	White
2	Black

Outershield 1:

Type	Material	Coverage [%]
Braid	SPC - Silver Plated Copper	85 %

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	Teflon®	0.159 in	0.011 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
8.9 Ohm/1000ft	6.3 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
31.7 pF/ft	51 pF/ft
Min Insulation Resistance:	100,000 Megaohms/1000 ft. @ 500 V DC MOhm*1000ft

Current:

Max. Recommended Current [A]
6.5 Amps per conductor @ 25°C

Inductance:

Nominal Inductance
0.11 µH/ft

Voltage:

UL Voltage Rating
600 V RMS

Use

Max Recommended Pulling Tension:	54.8 lbs
----------------------------------	----------

Safety

Temperature Range

Operating Temp Range:	-65°C To +200°C
-----------------------	-----------------

Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.75 in
-----------------------------	---------

Part Number

Plenum (Y/N):	No
---------------	----

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
Military Specification:	Military Specification
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
--------	---

Product Variants

Part Number	Color	Put-Up Type	Length
83320E 0091000	WHITE	Reel	1000 ft
83320E 009100	WHITE	Reel	100 ft
83320E 009500	WHITE	Reel	500 ft

© 2016 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 herein 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.