



Product: [9953](#)

Electronic, 3 C #16 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

[Request Sample](#)

Product Description

Electronic, 3 Conductor 16AWG (19x29) Tinned Copper, PVC-NYL Insulation, Overall Tinned Copper Braid(90%) Shield, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	MIL-W-16878 (Type B) Spec; up to 600V analog signals ; up to 600V voltage control
------------------------	---

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	3

Conductor Count:	3
------------------	---

Insulation

Layer	Material	Nominal Wall Thickness
1	PVC - Polyvinyl Chloride	0.012 in
2	Nylon	0.004 in

Color Chart

Number	Color
1	White
2	Black
3	Red

Outer Shield

Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	90%

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.264 in	0.025 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.4 Ohm/1000ft	5.1 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
58 pF/ft	101 pF/ft

Inductance

Nominal Inductance
0.116 µH/ft

Current

Max. Recommended Current [A]
6.5 Amps per Conductor at 25°C

Voltage

Non-UL Voltage Rating
600 V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-20°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	52 lbs/1000ft
Max. Pull Tension:	91.2 lbs
Min. Bend Radius/Minor Axis:	2.75 in

Standards

CPR Euroclass:	Eca
Military Compliance:	MIL-W-16878E/17 (insulated conductor)
Other Specification:	NEMA HP3

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
-------------------	---------------

Plenum/Non-Plenum

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

Part Number

Variants

Item #	Color	UPC
9953 009100	White	612825265139
9953 0091000	White	612825265146
9953 009500	White	612825265153

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

History

Update and Revision:	Revision Number: 0.373 Revision Date: 08-27-2021
----------------------	--

© 2021 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.