



Product: [9964](#)

Electronic, 4 C #20 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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Product Description

Electronic, 4 Conductor 20AWG (19x32) 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
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
20	19x32	TC - Tinned Copper	4

Conductor Count:	4
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Insulation

Layer	Material	Nominal Wall Thickness
1	PVC - Polyvinyl Chloride	0.011 in
2	Nylon	0.003 in

Color Chart

Number	Color
1	White
2	Black
3	Red
4	Green

Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	90 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.226 in	0.025 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
9 Ohm/1000ft	4.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
40 pF/ft	100 pF/ft

Current

Max. Recommended Current [A]

3.8 Amps per conductor @ 25°C A

Voltage

Non-UL Voltage Rating

600 V RMS

Electrical Characteristics Notes: 700 megohms/1000 ft. @ 500 VDC

Temperature Range

UL Temp Rating: 105°C

Operating Temp Range: -20°C To +105°C

Mechanical Characteristics

Bulk Cable Weight: 35 lbs/1000ft

Max Recommended Pulling Tension: 60 lbs

Min Bend Radius/Minor Axis: 2.5 in

Standards

CPR Euroclass: Eca

Military Specification: 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 II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-10-01

MII Order #39 (China RoHS): Yes

Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability: IEC 60332-1-2

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	UPC
9964 009100	White	612825265276
9964 0091000	White	612825265283
9964 009500	White	612825265290

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.294 Revision Date: 04-28-2020

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