



Product: [9962](#)

Electronic, 2 C #20 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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Product Description

Electronic, 2 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

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	20	19x32	TC - Tinned Copper	2
Conductor Count:				2
Total Number of Pairs:				1

Insulation

Element	Layer	Material	Nominal Wall Thickness
Conductor(s)	1	PVC - Polyvinyl Chloride	0.011 in
	2	Nylon	0.003 in

Color Chart

Number	Color
1	White
2	Black

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.192 in	0.016 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
9.1 Ohm/1000ft	6.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
53 pF/ft	91 pF/ft

Inductance

Nominal Inductance
0.134 µH/ft

Current

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

Voltage

Non-UL Voltage Rating
600 V RMS

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

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

Mechanical Characteristics

Bulk Cable Weight:	22 lbs/1000ft
Max Recommended Pulling Tension:	30 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

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
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC
9962 009100	White	612825265214
9962 0091000	White	612825265221
9962 009500	White	612825265238

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.297 Revision Date: 05-05-2020
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