



Part Number: 9962

Audio/Control/Communication/Instrumentation, (2) 20 AWG (19x32) TC, PVC-NYL/PVC, TC Braid Shld

[Request Sample](#)

Product Description

Two 20 AWG stranded (19x32) tinned copper conductors, PVC-Nylon insulation, tinned copper braid shield (90% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

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

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
Shielding: Braid(s)	

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

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 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Flammability, LS0H, Toxicity Testing

UL Flammability: VW-1

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	Footnote
9962 009100	White	
9962 0091000	White	C
9962 009500	White	

Footnote: C - CRATE REEL PUT-UP.

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