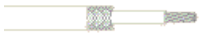
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

9961 Multi-Conductor - Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1

General Description:

20 AWG stranded (19x32) tinned copper conductors, nylon skin over insulation, PVC insulation, tinned copper braid shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
1	20	19x32	TC - Tinned Copper

Total Number of Conductors:	1

Insulation

Insulation Material:

Layer #	Insulation Material	Wall Thickness (in.)
1	PVC - Polyvinyl Chloride	0.011
2	Nylon	0.003

Insulation Resistance:	500 megohms/1000 ft. @ 500 VDC

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	90

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

Overall Cable

Overall Cabling Color Code Chart:

Color
White

Overall Nominal Diameter:	0.109 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	8 lbs/1000 ft.
Max. Recommended Pulling Tension:	15 lbs.
Min. Bend Radius/Minor Axis:	1.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

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

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
103

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
8.9

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
7.5

Max. Operating Voltage - Non-UL:

Voltage
600 V RMS

Max. Recommended Current:

Current
3.8 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9961 0091000	1,000 FT	9.000 LB	WHITE		1 #20 PVC/NY SHLD PVC
9961 009500	500 FT	4.500 LB	WHITE		1 #20 PVC/NY SHLD PVC

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