

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

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9964 Multi-Conductor - Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	20	19x32	TC - Tinned Copper

Total Number of Conductors:

4

Insulation

Insulation Material:

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

Insulation Resistance:

700 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	.025

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red
4	Green

Overall Nominal Diameter:

0.226 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 35 lbs/1000 ft.

Max. Recommended Pulling Tension: 60 lbs.

Min. Bend Radius/Minor Axis: 2.500 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

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CA Prop 65 (CJ for Wire & Cable):

Yes

MII Order #39 (China RoHS):

Yes

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 Conductor:

Capacitance (pF/ft)
40

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
100

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
9.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.9

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
9964 009100	100 FT	4.300 LB	WHITE		4 #20 PVC/NYL SHLD PVC
9964 0091000	1,000 FT	39.000 LB	WHITE	C	4 #20 PVC/NYL SHLD PVC
9964 009500	500 FT	19.500 LB	WHITE		4 #20 PVC/NYL SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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