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1-800-Belden1



General Description:

78 ohm, 20 AWG stranded (7x28) .038" tinned copper conductors, plenum, FEP Teflon® insulation, tinned copper braid shield (93% coverage), FEP Teflon® jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	7x28	TC - Tinned Copper	.038

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)	Dia. (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	0.018	0.074

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	93

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	0.014

Overall Cable

Overall Nominal Diameter: 0.198 in.

Pair

Pair Color Code Chart:

Number	Color
1	Clear & Blue

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 34 lbs/1000 ft.

Max. Recommended Pulling Tension: 68 lbs.

Min. Bend Radius/Minor Axis: 2 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

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

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes

Suitability - Burial: Yes

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 9272

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:****Impedance (Ohm)**

78

Nom. Inductance:**Inductance (µH/ft)**

0.200

Nom. Capacitance Conductor to Conductor:**Capacitance (pF/ft)**

18.4

Nominal Velocity of Propagation:**VP (%)**

69.5

Nominal Delay:**Delay (ns/ft)**

1.46

Nom. Conductor DC Resistance:**DCR @ 20°C (Ohm/1000 ft)**

9.5

Nominal Outer Shield DC Resistance:**DCR @ 20°C (Ohm/1000 ft)**

3.9

Nom. Attenuation:**Freq. (MHz) Attenuation (dB/100 ft.)**

1 0.6

10 2.1

50 5.0

100 7.5

200 11.0

400 16.0

Max. Operating Voltage - UL:**Voltage**

300 V RMS

Max. Operating Voltage - Non-UL:**Voltage**

600 V RMS

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. Suitable for aerial applications when supported by a messenger wire.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89272 0061000	1,000 FT	38.000 LB	BLUE, LIGHT	C	2#20 FEP BRD FEP 78 OHM
89272 006500	500 FT	19.000 LB	BLUE, LIGHT	C	2#20 FEP BRD FEP 78 OHM

Notes:

C = CRATE REEL PUT-UP.

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