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1-800-Belden1



General Description:

20 AWG stranded (7x28) tinned copper conductors, PVC insulation, twisted pair, tinned copper spiral wrapped shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	20	7x28	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.4064

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Spiral Serve	TC - Tinned Copper	90.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

Overall Cable

Overall Nominal Diameter: 5.055 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2095)
Bulk Cable Weight:	34.229 Kg/Km
Max. Recommended Pulling Tension:	111.205 N
Min. Bend Radius/Minor Axis:	50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2095 (300 V 80°C)
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

Flame Test

CSA Flame Test:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

43

Nom. Inductance:

Inductance (µH/m)

0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

154.207

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

259.199

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

32.81

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

3.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8759 060U1000	1,000 FT	24.000 LB	CHROME		BRAID 1 PR #20 PVC SHLD PVC
8759 060U500	500 FT	12.500 LB	CHROME		BRAID 2 #20 PVC SHLD PVC
8759 0601000	1,000 FT	25.000 LB	CHROME	C	BRAID 1 PR#20 PVC SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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8759 Multi-Conductor - Single-Pair Cable

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