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1-800-Belden1



Description:

20 AWG stranded (7x28) tinned copper conductors, PVC insulation, twisted pair, tinned copper spiral wrapped shield (89% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

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

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	89

Outer Jacket

Outer Jacket Material:

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

Overall Cabling

Overall Nominal Diameter: 5.055 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
36.575856	27.232

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 (Install)/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 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

C(UL) Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8759 060U1000	305 MT	10.886 KG	CHROME		1 PR #20 PVC SHLD PVC
8759 060U500	152 MT	5.670 KG	CHROME		2 #20 PVC SHLD PVC
8759 0601000	305 MT	11.340 KG	CHROME	C	1 PR#20 PVC SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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