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1-800-Belden1



General Description:

20 AWG stranded (27x34) high-conductivity TC conductor, EPDM rubber insulation, conductive textile (100%) plus TC spiral shields (95% coverage), paper tape, CPE jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	27x34	High Conductivity TC - Tinned Copper	.037

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	0.097

Insulation Resistance: 500 Megohms/1000 ft. @ 500 V DC

Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Serve	Conductive Textile	100
2	Spiral Serve	TC - Tinned Copper	95
3	Tape	Paper	100

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
CPE	0.033

Overall Cable

Overall Nominal Diameter: 0.190 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 25 lbs/1000 ft.

Max. Recommended Pulling Tension: 28 lbs.

Min. Bend Radius/Minor Axis: 2 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): 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

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

34

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

55

Maximum Capacitance Conductor to Shield:

Capacitance (pF/ft)

55

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.7

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

4 Amps per conductor @ 25°C (10°C rise in temp)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9394 0101000	1,000 FT	27.000 LB	BLACK	C	#20 EPDM SNGLS CPE

Notes:

C = CRATE REEL PUT-UP.

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