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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. (mm) |
|--------|-----|-----------|--------------------------------------|-----------|
| 1 | 20 | 27x34 | High Conductivity TC - Tinned Copper | 0.9398 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|--|-----------|
| EPDM - Ethylene Propylene Diene Monomer Rubber | 2.464 |

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 (mm) |
|-----------------------|--------------------------|
| CPE | 0.838 |

Overall Cable

Overall Nominal Diameter: 4.826 mm

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|----------------|
| Operating Temperature Range: | -30°C To +60°C |
| Non-UL Temperature Rating: | 60°C |
| Bulk Cable Weight: | 37.205 Kg/Km |
| Max. Recommended Pulling Tension: | 124.550 N |
| Min. Bend Radius/Minor Axis: | 50.800 mm |

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/m)
180.455

Maximum Capacitance Conductor to Shield:

Capacitance (pF/m)
180.455

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
33.4662

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
28.5447

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 SINGLS CPE |

Notes:
C = CRATE REEL PUT-UP.

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