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1-800-Belden1



General Description:

RG-174/U type, 26 AWG stranded (7x34) .019" bare copper-covered steel conductor, polyethylene insulation, tinned copper braid shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|----------------------------------|-----------|
| 1 | 26 | 7x34 | BCCS - Bare Copper Covered Steel | 0.4826 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|---------------------|-----------|
| PE - Polyethylene | 1.524 |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper | 90 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 2.794 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 11.906 Kg/Km

Max. Recommended Pulling Tension: 93.412 N

Min. Bend Radius/Minor Axis: 25.400 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification: UL Style 1354

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): 01/01/2004

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 |
| RG Type: | 174/U |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/m)

0.252637

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

101.055

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/m)

5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

318.257

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

35.1067

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| 1 | 6.2339 |
| 10 | 10.8273 |
| 50 | 19.0298 |
| 100 | 27.5604 |
| 200 | 41.0125 |
| 400 | 62.339 |
| 700 | 88.587 |
| 900 | 101.711 |
| 1000 | 111.554 |

Max. Power Rating:

| Freq. (MHz) | Rating (W) |
|-------------|------------|
| 1 | 976 |
| 10 | 354 |
| 50 | 197 |
| 100 | 161 |
| 200 | 136 |
| 400 | 120 |
| 700 | 112 |
| 900 | 109 |
| 1000 | 108 |

Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL:

Voltage
1100 V RMS (Military)

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|--------|-------------|-------|-------|----------------|
| 8216 010100 | 30 MT | 0.499 KG | BLACK | | #26 PE BRD PVC |
| 8216 0101000 | 305 MT | 4.082 KG | BLACK | G N | #26 PE BRD PVC |
| 8216 010500 | 152 MT | 2.268 KG | BLACK | | #26 PE BRD PVC |

Notes:

G = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 100'
N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

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