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1-800-Belden1



General Description:

RG-58A/U type, 20 AWG stranded (19x32) .037" tinned copper conductor, foam polyethylene insulation, Duobond® II + tinned copper braid shield (55% acoverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1 | 20 | 19x32 | TC - Tinned Copper | .037 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|-------------------------|------------|
| FPE - Foam Polyethylene | .114 |

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|--|--------------|
| 1 | Bonded Duofoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | TC - Tinned Copper | 55 |

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 0.193 in.

Mechanical Characteristics (Overall)

| | |
|------------------------------|--------------------------|
| Operating Temperature Range: | -40°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 1354) |
| Bulk Cable Weight: | 21 lbs/1000 ft. |
| Min. Bend Radius/Minor Axis: | 2 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|---------------------------|
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| AWM Specification: | UL Style 1354 (30 V 80°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | No |
| 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: | 58A/U |

Flame Test

UL Flame Test: UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
52

Nom. Inductance:

Inductance (µH/ft)
0.065

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
26.0

Nominal Velocity of Propagation:

VP (%)
75

Nominal Delay:

Delay (ns/ft)
1.36

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
8.8

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
17

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | 0.5 |
| 10 | 1.5 |
| 50 | 2.9 |
| 100 | 4.0 |
| 200 | 5.7 |
| 400 | 8.5 |
| 700 | 12.2 |
| 900 | 14.5 |
| 1000 | 15.8 |

Max. Operating Voltage - UL:

Voltage
300 V RMS (CM)
30 V RMS (UL AWM Style 1354)

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|--------------------|
| 9311 010U1000 | 1,000 FT | 23.000 LB | BLACK | | RG-58A/U TYPE COAX |
| 9311 0101000 | 1,000 FT | 23.000 LB | BLACK | C | RG-58A/U TYPE COAX |
| 9311 010500 | 500 FT | 12.500 LB | BLACK | C | RG-58A/U TYPE COAX |

Notes:

C = CRATE REEL PUT-UP.

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