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1-800-Belden1



Description:

RG-8X type, 16 AWG stranded (19x29) .058" bare copper conductor, gas-injected FPE insulation, bare copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1 | 16 | 19x29 | BC - Bare Copper | .058 |

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|--------------------------------------|------------|
| Gas-injected FPE - Foam Polyethylene | .155 |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper | 95 |

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 0.242 in.

Mechanical Characteristics (Overall)

| | |
|--|--------------------------|
| Operating Temperature Range: | -40°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 1354) |
| Bulk Cable Weight: | 35 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 75 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 2.400 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 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: | 8/X |

Flame Test

| | |
|----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
|----------------|-------------------|

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Aerial: | Yes |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/ft)

.065

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

24.8

Nominal Velocity of Propagation:

VP (%)

82

Nominal Delay:

Delay (ns/ft)

1.2

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.3

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

| | |
|------|------|
| 1 | .3 |
| 10 | .9 |
| 50 | 2.1 |
| 100 | 3.1 |
| 200 | 4.5 |
| 400 | 6.6 |
| 700 | 9.1 |
| 900 | 10.7 |
| 1000 | 11.2 |

Max. Power Rating:

Freq. (MHz) Rating (W)

| | |
|-----|------|
| 10 | 1000 |
| 50 | 370 |
| 100 | 250 |

| | |
|------|-----|
| 200 | 190 |
| 400 | 110 |
| 700 | 75 |
| 1000 | 60 |

Max. Operating Voltage - UL:

| |
|----------------|
| Voltage |
| 300 V RMS |

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|-----------------|
| 9258 0091000 | 1,000 FT | 40.000 LB | WHITE | | RG-8X TYPE COAX |
| 9258 010U1000 | 1,000 FT | 39.000 LB | BLACK | | RG-8X TYPE COAX |
| 9258 010U500 | 500 FT | 20.000 LB | BLACK | | RG-8X TYPE COAX |
| 9258 0101000 | 1,000 FT | 40.000 LB | BLACK | C | RG-8X TYPE COAX |
| 9258 010500 | 500 FT | 20.000 LB | BLACK | C | RG-8X TYPE COAX |

Notes:

C = CRATE REEL PUT-UP.

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