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1-800-Belden1



Description:

23 AWG solid .023" bare copper or bare copper-covered steel conductor, flame-retardant semi-foam Polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1 | 23 | Solid | BCCS - Bare Copper Covered Steel | .023 |

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|--|------------|
| FR Semi-Foam PE - Flame Retardant Semi-Foam Polyethylene | .146 |

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 Cabling

Overall Nominal Diameter: 0.242 in.

Mechanical Characteristics (Overall)

| | |
|--|--------------------------|
| Operating Temperature Range: | -40°C To +75°C |
| UL Temperature Rating: | 75°C (UL AWM Style 1354) |
| Bulk Cable Weight: | 39 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 74 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 2.500 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|---------------------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 1354 (30 V 75°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): | 10/13/2005 |
| 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: | 59/U |

Flame Test

| | |
|-------------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| C(UL) Flame Test: | FT4 |

Suitability

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

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 75 |

Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| .112 |

Nom. Capacitance Conductor to Shield:

| Capacitance (pF/ft) |
|---------------------|
| 20.5 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 66 |

Nominal Delay:

| Delay (ns/ft) |
|---------------|
| 1.54 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 49.0 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 2.6 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | .6 |
| 5 | .9 |
| 10 | 1.1 |
| 50 | 2.4 |
| 100 | 3.4 |
| 200 | 4.9 |
| 400 | 7.0 |
| 700 | 10.1 |
| 900 | 11.7 |
| 1000 | 13.2 |

Max. Operating Voltage - UL:

| Voltage |
|---|
| 30 V RMS (UL AWM Style 1354); 300 V RMS |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|-------------------|
| 8241A 010U1000 | 1,000 FT | 40.000 LB | BLACK | | RG-59/U TYPE COAX |
| 8241A 0101000 | 1,000 FT | 42.000 LB | BLACK | C | RG-59/U TYPE COAX |

Notes:

C = CRATE REEL PUT-UP.

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