

8279 Coax - Miniature

For more Information
please call

1-800-Belden1

**Description:**

23 AWG stranded (7x32) .023" bare compacted copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), polyethylene jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|-----------------------------|------------|
| 1 | 23 | 7x32 | BCC - Bare Compacted Copper | .023 |

Insulation**Insulation Material:**

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PE - Polyethylene | .146 |

Outer Shield**Outer Shield Material:**

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper | 95 |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material |
|-----------------------|
| PE - Polyethylene |

Overall Cable

Overall Nominal Diameter: 0.220 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -55°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 26 lbs/1000 ft.

Max. Recommended Pulling Tension: 45 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

| | |
|---------------------------------------|------------|
| 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: | Mini 59/U |
|----------|-----------|

Suitability

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

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

| | |
|-----------------------|--|
| Suitability - Aerial: | Yes - When supported by a messenger wire |
|-----------------------|--|

| | |
|-----------------------|-----|
| Suitability - Burial: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

Nom. Inductance:

Inductance (μH/ft)

.118

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

21.0

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/ft)

1.54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

19.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.5

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | .4 |
| 3.6 | .6 |
| 10.0 | 1.2 |
| 71.5 | 3.3 |
| 135 | 4.7 |
| 270 | 6.8 |
| 360 | 8.0 |
| 540 | 9.9 |
| 720 | 11.6 |
| 750 | 11.9 |
| 1000 | 13.8 |

Max. Operating Voltage - Non-UL:

Voltage

2300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination.

Other Electrical Characteristic 2:

Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination.

Minimum Return Loss:

| Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------------|------------------|--------------|
| 5.000 | 216.000 | 27.000 |
| 216.000 | 850.000 | 21.000 |

Sweep Test

Sweep Testing: 100% Sweep tested 5MHz to 850MHz.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|-------|-------|------------------|
| 8279 0101000 | 1,000 FT | 29.000 LB | BLACK | C | MINI VIDEO CABLE |
| 8279 010500 | 500 FT | 13.000 LB | BLACK | | MINI VIDEO CABLE |

Notes:

C = CRATE REEL PUT-UP.

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