

9914

Part Number: 9914



Product Description

10 AWG solid .103" bare copper conductor, gas-injected foam HDPE insulation, Duobond II® & #43; tinned copper braid shield (95% coverage), PVC jacket.

Product Specifications

Conductor

Total Number of Conductors:

1

Technical Specifications

APAC Standard

Mil Order #39 (China RoHS):

Yes

Bend Radius

Min Bend Radius/Minor Axis:

4 in

CCB-Part Number

Notes:

Low Loss

CCB-Sub-Part Number

Plenum (Y/N):

No

Contact Information

PHONE_NUM:

1-800-Belden1

EMEA Standard

| | |
|--------------------------|-------------------------------|
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
|--------------------------|-------------------------------|

Environmental Characteristics

| | |
|-----------------------|----------------|
| Operating Temp Range: | -40°C To +80°C |
| Suitability - Indoor: | Yes |

EU Directive

| | |
|---------------------------------------|------------|
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |

North American Standard

| | |
|-----------------------------------|---------------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| CEC/C(UL) Specification: | CMG |
| NEC/(UL) Specification: | CMG |
| RG Type: | 8/U |
| UL AWM Style: | UL Style 1354 (30 V 80°C) |

Safety

| | |
|-------------------|--------------------|
| UL Flammability: | UL1685 FT4 Loading |
| CSA Flammability: | FT4 |

Temperature Range

| | |
|-----------------|--------------------------|
| UL Temp Rating: | 80°C (UL AWM Style 1354) |
|-----------------|--------------------------|

Use

| | |
|----------------------------------|---------|
| Suitability - Aerial: | Yes |
| Suitability - Outdoor: | Yes |
| Max Recommended Pulling Tension: | 247 lbs |

Impedance:

| |
|----------------------------------|
| Nominal Characteristic Impedance |
| 50 Ohm |

Inductance:

Nominal Inductance0.065 μ H/ft**Conductor DCR:****Nominal Conductor DCR****Nominal Outer Shield DCR**

1.2 Ohm/1000ft

1.1 Ohm/1000ft

Power Rating:**Frequency [MHz]****Max. Power Rating [W]**

5 MHz

4,021 W

10 MHz

3,217 W

50 MHz

1,609 W

100 MHz

1,149 W

200 MHz

894 W

400 MHz

619 W

700 MHz

447 W

900 MHz

393 W

1,000 MHz

366 W

1,500 MHz

293 W

1,800 MHz

264 W

2,000 MHz

248 W

2,500 MHz

215 W

3,000 MHz

194 W

4,000 MHz

163 W

Delay:**Nominal Delay****Nominal Velocity of Propagation (VP)**

1.24 ns/ft

82 %

Voltage:**Non-UL Voltage Rating****UL Voltage Rating**

300V RMS

30V RMS (UL AWM Style 1354)

VSWR:

| Frequency [MHz] | Max. VSWR |
|-----------------|-----------|
| 2250 MHz | 1.43:1 |
| 5 MHz | |

Capacitance:

| Nominal Capacitance Conductor to Shield |
|---|
| 24.8 pF/ft |

High Frequency (Nominal/Typical):

| Frequency (MHz) | Nom. Insertion Loss |
|-----------------|---------------------|
| 5 MHz | 0.4 db/100ft |
| 10 MHz | 0.5 db/100ft |
| 50 MHz | 1 db/100ft |
| 100 MHz | 1.4 db/100ft |
| 200 MHz | 1.8 db/100ft |
| 400 MHz | 2.6 db/100ft |
| 700 MHz | 3.6 db/100ft |
| 900 MHz | 4.1 db/100ft |
| 1000 MHz | 4.4 db/100ft |
| 1500 MHz | 5.5 db/100ft |
| 1800 MHz | 6.1 db/100ft |
| 2000 MHz | 6.5 db/100ft |
| 2500 MHz | 7.5 db/100ft |
| 3000 MHz | 8.3 db/100ft |
| 4000 MHz | 9.9 db/100ft |

Insulation:

| Material | Nominal Diameter |
|---|------------------|
| Gas-injected FHDPE - Foam High Density Polyethylene | 0.285 in |

Outerjacket 1:

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.403 in |

Conductor:

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 10 | Solid | BC - Bare Copper | 0.103 in | 1 |

Outershield 1:

| Type | Layer | Material | Material Trade Name | Coverage |
|-------|-------|---|---------------------|----------|
| Tape | 1 | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | Bonded Duofoil® | 100 % |
| Braid | 2 | TC - Tinned Copper | | 95 % |

Product Variants

| Part Number | Color | Put-Up Type | Length |
|--------------|-------|-------------|---------|
| 9914 0101000 | BLACK | Reel | 1000 ft |
| 9914 010500 | BLACK | Reel | 500 ft |
| 9914.00152 | BLACK | Reel | 152 ft |
| 9914.00305 | BLACK | Reel | 305 ft |

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