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1-800-Belden1



## General Description:

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® + tinned copper braid shield (60% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1      | 14  | Solid     | BC - Bare Copper   | .064       |

Total Number of Conductors: 1

### Insulation

Insulation Material:

| Insulation Material                                 | Dia. (in.) |
|---|------------|
| Gas-injected FHDPE - Foam High Density Polyethylene | .280       |

### Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type  | Outer Shield Material                      | Coverage (%) |
|---------|-------------------------|-------|--|--------------|
| 1       | Duofoil®                | Tape  | Aluminum Foil-Polyester Tape-Aluminum Foil | 100          |
| 2       |                         | Braid | TC - Tinned Copper                         | 60           |

### Outer Jacket

Outer Jacket Material:

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

### Overall Cable

Overall Nominal Diameter: 0.405 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 66 lbs/1000 ft.

Max. Recommended Pulling Tension: 98 lbs.

Min. Bend Radius/Minor Axis: 4 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

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

MIL Order #39 (China RoHS): Yes

RG Type: 11/U

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

**Plenum/Non-Plenum**

Plenum (Y/N): No  
 Plenum Number: 89292

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

Impedance (Ohm)  
 75

**Nom. Inductance:**

Inductance (µH/ft)  
 .097

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)  
 16.1

**Nominal Velocity of Propagation:**

VP (%)  
 84

**Nominal Delay:**

Delay (ns/ft)  
 1.2

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
 2.6

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
 3

**Nom. Attenuation:**

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1           | .2                       |
| 10          | .5                       |
| 50          | .9                       |
| 100         | 1.3                      |
| 200         | 1.6                      |
| 400         | 2.3                      |
| 700         | 3.3                      |
| 900         | 4.0                      |
| 1000        | 4.3                      |

**Max. Operating Voltage - Non-UL:**

Voltage  
 300 V RMS

**Typical Structural Return Loss:**

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Typical SRL (dB) |
|-------------|-------------|-------------------|------------------|------------------|
|             |             | 5                 | 450              | 23               |

**Notes (Overall)**

Notes: 100% Sweep tested 5 MHz to 450 MHz.

**Put Ups and Colors:**

| Item #       | Putup    | Ship Weight | Color | Notes | Item Desc              |
|--------------|----------|-------------|-------|-------|------------------------|
| 9292 0101000 | 1,000 FT | 75.000 LB   | BLACK | C     | SERIES 11 75 OHM COAX. |

Notes:  
 C = CRATE REEL PUT-UP.

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