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please call

1-800-Belden1



## General Description:

RG-11/U type, 14 AWG solid .064" bare copper conductor, plenum, foam FEP insulation, Duofoil® + tinned copper braid shield (95% coverage), fluorocopolymer 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 Trade Name | Insulation Material                        | Dia. (in.) |
|-----------------------|--|------------|
| Teflon®               | FFEP - Foam Fluorinated Ethylene Propylene | .274       |

### 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                         | 95           |

### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material  |
|------------------------|
| PVDF - Fluorocopolymer |

### Overall Cable

Overall Nominal Diameter: 0.348 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +125°C

UL Temperature Rating: 150°C

Bulk Cable Weight: 83 lbs/1000 ft.

Max. Recommended Pulling Tension: 145 lbs.

Min. Bend Radius/Minor Axis: 3.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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): 04/01/2005

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

**Flame Test**

UL Flame Test: NFPA 262

CSA Flame Test: FT6

**Suitability**

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

Non-Plenum Number: 7731A

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

**Nom. Inductance:**

Inductance (µH/ft)

0.091

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)

16.3

**Nominal Velocity of Propagation:**

VP (%)

83

**Nominal Delay:**

Delay (ns/ft)

1.22

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

2.5

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

1.6

**Nom. Attenuation:**

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1.000       | 0.150                    |
| 3.580       | 0.260                    |
| 5.000       | 0.300                    |
| 7.000       | 0.340                    |
| 10.000      | 0.400                    |
| 67.500      | 1.200                    |
| 71.500      | 1.240                    |
| 88.500      | 1.400                    |
| 100.000     | 1.500                    |
| 135.000     | 1.780                    |
| 143.000     | 1.840                    |
| 180.000     | 2.090                    |
| 270.000     | 2.600                    |
| 360.000     | 3.100                    |
| 540.000     | 3.890                    |
| 720.000     | 4.570                    |
| 750.000     | 4.680                    |
| 1000.000    | 5.500                    |
| 1500.000    | 6.910                    |
| 2000.000    | 8.130                    |
| 2500.000    | 9.200                    |
| 3000.000    | 10.200                   |
| 4500.000    | 15.400                   |

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 paragraph 48.2, option 2 using a 75 Ohm fixed bridge and termination.

## 7732A Coax - Low Loss Serial Digital Coax

**Other Electrical Characteristic 2:**

Return Loss tested in accordance with ASTM D-4566 paragraph 50.3, using a 75 Ohm fixed bridge and termination.

**Minimum Structural Return Loss:**

| Start Freq. (MHz) | Stop Freq. (MHz) | Min. SRL (dB) |
|-------------------|------------------|---------------|
| 5.000             | 1600.000         | 23.000        |
| 1600.000          | 4500.000         | 21.000        |

**Sweep Test**

**Sweep Testing:** 100#37; Sweep tested 5 MHz to 4.5 GHz.

**Misc. Information (Overall)**

**Notes (Overall)**

**Notes:** Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color       | Notes | Item Desc        |
|---------------|----------|-------------|-------------|-------|------------------|
| 7732A 0041000 | 1,000 FT | 90.000 LB   | YELLOW      | C     | #14 FFEP SH PVDF |
| 7732A 0061000 | 1,000 FT | 90.000 LB   | BLUE, LIGHT | C     | #14 FFEP SH PVDF |
| 7732A 0101000 | 1,000 FT | 90.000 LB   | BLACK       | C     | #14 FFEP SH PVDF |
| 7732A 0101200 | 1,200 FT | 106.800 LB  | BLACK       |       | #14 FFEP SH PVDF |
| 7732A 010500  | 500 FT   | 45.000 LB   | BLACK       | C     | #14 FFEP SH PVDF |
| 7732A 8771000 | 1,000 FT | 90.000 LB   | NATURAL     | C     | #14 FFEP SH PVDF |
| 7732A 877500  | 500 FT   | 45.000 LB   | NATURAL     | C     | #14 FFEP SH PVDF |

**Notes:**

C = CRATE REEL PUT-UP.

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- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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