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please call

1-800-Belden1



### General Description:

RG-11/U, 14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper double shields (95% and 80% coverage), PVC insulation between braids, water blocking tape, CPE jacket, CMR rated

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	14	Solid	BC - Bare Copper	1.6256

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	7.239

#### Inner Shield

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	9.271

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	80

Outer Shield Separator Material: Water blocking tape (between outer braid and outer jacket)

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
CPE

#### Overall Cable

Overall Nominal Diameter: 12.700 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

Bulk Cable Weight: 193.466 Kg/Km

Max. Recommended Pulling Tension: 756.194 N

Min. Bend Radius/Minor Axis: 127 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
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):	08/16/2016
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:	11/U

### Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only.
Suitability - Aerial:	Yes - Black only, when supported by messenger wire.
Sunlight Resistance:	Yes - Black only.

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Inductance:

Inductance (µH/m)

0.318257

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

52.8241

### Nominal Velocity of Propagation:

VP (%)

84

### Nominal Delay:

Delay (ns/m)

3.9372

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

8.531

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

5.578

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

4.922

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.459
3.600	0.984
10.000	1.312
71.500	3.609
135.000	5.250
270.000	7.546
360.000	8.531
540.000	10.827
720.000	12.468
750.000	13.124
1000.000	15.093
1500.000	19.358
2250.000	24.279
3000.000	29.529
4500.000	41.013

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

**Minimum Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	850.000	21.000
850.000	4500.000	15.000

**Sweep Test**

**Sweep Testing:** Return loss tested 5 MHz to 4.5 GHz.

**Notes (Overall)**

**Notes:** Suitable for below grade applications.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
2233RW 0101000	1,000 FT	138.000 LB	BLACK		RG-11/U TRIAX INDOOR/OUTDOOR
2233RW 0104000	4,000 FT	584.000 LB	BLACK	C Z	RG-11/U TRIAX INDOOR/OUTDOOR

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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