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1-800-Belden1



## General Description:

RG-8X type, 16 AWG stranded (19x29) .058" bare copper conductor, gas-injected FPE insulation, bare copper braid shield (95% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	16	19x29	BC - Bare Copper	1.4732

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	3.937

### Outer Shield

Outer Shield Material:

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

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 6.147 mm

## Mechanical Characteristics (Overall)

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

UL Temperature Rating: 80°C (UL AWM Style 1354)

Bulk Cable Weight: 55.063 Kg/Km

Max. Recommended Pulling Tension: 333.615 N

Min. Bend Radius/Minor Axis: 63.500 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

AWM Specification: UL Style 1354 (30 V 80°C)

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

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: 8/X

## Flame Test

UL Flame Test: UL1685 UL Loading

## Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

50

### Nom. Inductance:

Inductance (µH/m)

0.213265

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

81.3688

### Nominal Velocity of Propagation:

VP (%)

82

### Nominal Delay:

Delay (ns/m)

3.9372

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

14.1083

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

10.8273

### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1	0.9843
10	2.9529
50	6.8901
100	10.1711
200	14.7645
400	21.6546
700	29.8571
900	35.1067
1000	36.7472

### Max. Power Rating:

Freq. (MHz) Rating (W)

10	1000
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50	370
100	250
200	190
400	110
700	75
1000	60

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9258 0091000	305 MT	18.144 KG	WHITE		RG-8X TYPE COAX
9258 010U1000	305 MT	17.690 KG	BLACK		RG-8X TYPE COAX
9258 010U500	152 MT	9.072 KG	BLACK		RG-8X TYPE COAX
9258 0101000	305 MT	18.144 KG	BLACK	C	RG-8X TYPE COAX
9258 010500	152 MT	9.072 KG	BLACK	C	RG-8X TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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