

## 9258 Coax - RG-8X Type

For more Information  
please call

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. (in.)
1	16	19x29	BC - Bare Copper	.058

Total Number of Conductors: 1

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.155

#### 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: 0.242 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 1354)
Bulk Cable Weight:	37 lbs/1000 ft.
Max. Recommended Pulling Tension:	75 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

### 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 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
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### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes

### Plenum/Non-Plenum

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

### Nom. Characteristic Impedance:

Impedance (Ohm)

50

### Nom. Inductance:

Inductance (µH/ft)

.065

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

24.8

### Nominal Velocity of Propagation:

VP (%)

82

### Nominal Delay:

Delay (ns/ft)

1.2

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.3

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.3

### Nom. Attenuation:

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

1	.3
10	.9
50	2.1
100	3.1
200	4.5
400	6.6
700	9.1
900	10.7
1000	11.2

### Max. Power Rating:

Freq. (MHz) Rating (W)

10	1000
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	1,000 FT	40.000 LB	WHITE		RG-8X TYPE COAX
9258 010U1000	1,000 FT	39.000 LB	BLACK		RG-8X TYPE COAX
9258 010U500	500 FT	20.000 LB	BLACK		RG-8X TYPE COAX
9258 0101000	1,000 FT	40.000 LB	BLACK	C	RG-8X TYPE COAX
9258 010500	500 FT	20.000 LB	BLACK	C	RG-8X TYPE COAX

**Notes:**  
C = CRATE REEL PUT-UP.

**Test Reports**

- a) **UL**
    - i) UL Test Reports are available on-line through the UL Client Document Access web portal.
    - ii) UL Inspection Reports are also available through the UL Client Document Access web portal.
  - b) **CSA**
    - i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
    - ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.
- \* other test data may be available if requested at time of order.

Revision Number: 1    Revision Date: 09-20-2012

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