# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



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	<b>Conductor Material</b>	Dia. (in.)
1	16	19x29	BC - Bare Copper	.058

**Total Number of Conductors:** 

### 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 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

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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:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



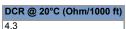
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



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 (V	V)
10	1000	

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

Max. Operating Voltage - UL:

Voltage 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	С	RG-8X TYPE COAX
9258 010500	500 FT	20.000 LB	BLACK	С	RG-8X TYPE COAX

Notes:

C = CRATE REEL PUT-UP.

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