# **Detailed Specifications & Technical Data**

#### **METRIC MEASUREMENT VERSION**



## 9258 Coax - RG-8X Type

For more Information please call

1-800-Belden1



#### **General Description:**

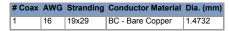
RG-8X type, 16 AWG stranded (19x29) .058" bare copper conductor, gas-injected FPE insulation, bare copper braid shield (95% coverage), PVC jacket.

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## **Physical Characteristics (Overall)**

## Conductor

AWG:



Total Number of Conductors:

Total Number of Conductors:

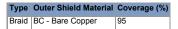
#### Insulation

Insulation Material:

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

#### **Outer Shield**

Outer Shield Material:



#### **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

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Fla	me Test		
	UL Flame Test:	UL1685 UL Loading	
Sui	itability		
	Suitability - Indoor:	Yes	
	Suitability - Outdoor:	Yes	
	Suitability - Aerial:	Yes	
Ple	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:

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
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

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# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



9258 Coax - RG-8X Type

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

Notes

C = CRATE REEL PUT-UP.

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

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