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## 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 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/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:**

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	C	RG-8X TYPE COAX

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9258 Coax - RG-8X Type

9258 010500	500 FT	20.000 LB	BLACK	C	RG-8X TYPE COAX
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**Notes:**

C = CRATE REEL PUT-UP.

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