

9258 Coax - RG-8X Type

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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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:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	8/X
AWG	16
Stranding	19x29
Conductor Diameter	.058 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.155 in.

OUTER SHIELD:

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

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.242 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 1354)
Bulk Cable Weight	35 lbs/1000 ft.
Max. Recommended Pulling Tension	75 lbs.
Min. Bend Radius (Install)	2.4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 1354 (30 V 80°C)
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

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)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.065 μ H/ft
Nom. Capacitance Conductor to Shield	24.8 pF/ft
Nominal Velocity of Propagation	82 %
Nominal Delay	1.2 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	4.3 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	3.3 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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 :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
	10			1000
	50			370
	100			250
	200			190
	400			110
	700			75
	1000			60

Max. Operating Voltage - UL 300 V RMS

Max. Operating Voltage - Other 30 V RMS (UL AWM Style 1354)

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9258 0091000	RG-8X TYPE COAX	1000	40	WHITE	
9258 0101000	RG-8X TYPE COAX	1000	40	BLACK	C
9258 010500	RG-8X TYPE COAX	500	18.5	BLACK	C
9258 010U1000	RG-8X TYPE COAX	U1000	39	BLACK	
9258 010U500	RG-8X TYPE COAX	U500	20	BLACK	

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-11-2005

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