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.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	16	19x29	BC - Bare Copper	1.4732

Total Number of Conductors:	1

Insulation

Insulation Material:

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

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:	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

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/m)
0.213265

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
81.3688

Nominal Velocity of Propagation:

VP (%)
82

Nominal Delay:

Delay (ns/m)
3.9372

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
14.1083

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	305 MT	18.144 KG	WHITE		RG-8X TYPE COAX
9258 010U1000	305 MT	17.690 KG	BLACK		RG-8X TYPE COAX
9258 010U500	152 MT	9.072 KG	BLACK		RG-8X TYPE COAX
9258 0101000	305 MT	18.144 KG	BLACK	C	RG-8X TYPE COAX

9258 Coax - RG-8X Type

9258 010500	152 MT	9.072 KG	BLACK	C	RG-8X TYPE COAX

Notes:
C = CRATE REEL PUT-UP.

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