

8259 Coax - RG-58A/U Type

For more Information
please call

1-800-Belden1

**General Description:**

RG-58A/U type, 20 AWG stranded (19x33) .035" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	19x33	TC - Tinned Copper	0.889

Total Number of Conductors: 1

Insulation**Insulation Material:**

Insulation Material	Dia. (mm)
PE - Polyethylene	2.9464

Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.6985

Overall Cable

Overall Nominal Diameter: 4.902 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 37.205 Kg/Km

Max. Recommended Pulling Tension: 186.824 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

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:	58A/U

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes - when supported by a messenger wire

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)
50

Nom. Inductance:

Inductance (µH/m)
0.301852

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
101.055

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
35.4348

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
13.4521

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.3124
10	4.9215
50	12.1397
100	17.7174
200	26.5761
400	40.6844
700	58.0737
900	69.2291
1000	74.8068

Max. Operating Voltage - Non-UL:

Voltage
1400 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8259 010U1000	305 MT	11.793 KG	BLACK		RG-58A/U 50 OHMS COAX
8259 010U500	152 MT	6.350 KG	BLACK		RG-58A/U 50 OHMS COAX
8259 010100	30 MT	1.497 KG	BLACK		RG-58A/U 50 OHMS COAX
8259 0101000	305 MT	12.247 KG	BLACK	C	RG-58A/U 50 OHMS COAX

8259 010500	152 MT	6.350 KG	BLACK	C	RG-58A/U 50 OHMS COAX
8259 0105000	1,524 MT	61.235 KG	BLACK	C	RG-58A/U 50 OHMS COAX

Notes:

C = CRATE REEL PUT-UP.

Test Reports**a) UL**

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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