Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8232A Coax - RG-59/U Type



For more Information please call

1-800-Belden1



General Description:

20 AWG solid .032" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shields (95% and 80% coverage), PVC jacket.

Physical Characteristics (Overall)	
Physical Characteristics (Overall) Conductor	
AWG:	
# Coax AWG Stranding Conductor Material Dia. (in.) 1 20 Solid BC - Bare Copper .032	
Total Number of Conductors:	1
Insulation Insulation Material:	
Insulation Material Dia.	(in.)
Gas-injected FHDPE - Foam High Density Polyethylene .145	
Inner Shield	
Inner Shield Material:	
Type Inner Shield Material Coverage (%) Braid BC - Bare Copper 95	
Inner Jacket	
Inner Jacket Material: Inner Jacket Material Nom. Dia. (in.)	
PVC - Polyvinyl Chloride .225	
Outer Shield	
Outer Shield Material: Type Outer Shield Material Coverage (%)	
Braid BC - Bare Copper 80	
Outer Jacket	
Outer Jacket Material Outer Jacket Material	
PVC - Polyvinyl Chloride	
Overall Cable	
Overall Nominal Diameter:	0.315 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-40°C To +75°C
UL Temperature Rating:	2°06
Non-UL Temperature Rating:	75°C
	63 lbs/1000 ft.
Bulk Cable Weight:	125 lbs.
Max. Recommended Pulling Tension:	
Min. Bend Radius/Minor Axis:	3.250 in.
Applicable Specifications and Agency Compliant	ce (Overall)
Applicable Standards & Environmental Programs	CMR
NEC/(UL) Specification:	
CEC/C(UL) Specification:	CMG
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

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ENGLISH MEASUREMENT VERSION



9777A C

EU Roth's Compliance Date (mm/dotyyyy): D101/2004 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MI Order #39 (China Roth5): Yes RC Type: Solutation ID Flame Test: UL 1666 Vertical Shaft ability Yes Suitability - Indoor: Yes Suitability - Outdoor: Yes Suitability - Outdoor: Yes Suitability - Jourdoor: Yes Suitability - Jourdoor: Yes Plonum (YM): No Plonum Number: 08232 Compactor For Stick (Overall) Solutation (Jene Stick) Solutation (Jene Science): Solutation (Jene Science): Solutation (Jene Science): <th>232A Coax - RG-59/U Typ</th>	232A Coax - RG-59/U Typ
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes RG Type: 50/U no Test UL 1666 Vertical Shaft JUL Flame Test: UL 1666 Vertical Shaft Suitability - Outdoor: Yes Suitability - Outdoor: Yes Suitability - Outdoor: Yes Suitability - Aerial: Yes - When supported by a messenger wire turn/Non-Plenum Plenum (VN): Plenum Number: 88232 trical Characteristics (Overall) Software Conductor to Shield: of aracteristic Impedance: Software Conductor to Shield: apacitance Conductor to Shield: Software Conductor to Shield: apacitance (pfff) Software Conductor to Shield: of Conductor DC Resistance: Software Conductor to Shield: Conductor DC Resistance: Software Conductor to Shield: Conductor DS Resistance: Software Conductor Shield DC Resistance: C	
CA Prop 65 (CJ for Wire & Cable): Yes MIL Ordor #39 (China RoHS): Yes R6 Type: 59/U ne Test: UL 1086 Vertical Shaft ability Suitability - Indoor: Yes Suitability - Outdoor: Yes Suitability - Aarial: Yes - When supported by a messenger wire Turm/Non-Plenum Plenum (YN): Plenum Number: 88232 trical Characteristics (Overall) . Ontractoristic Impedance: . pagactance (pi/ff) . Solatability in a low in the support of the supp	
Mi Order #39 (China RoHS): Yes RG Type: 59/U ne Test UL Flame Test: UL 1666 Vertical Shaft ability Suitability - Indoor: Yes Suitability - Aerial: Yes - When supported by a messenger wire Turn/Non-Plenum Plenum (VN): No Plenum Number: 08232 trical Characteristics (Overall) Characteristics (Overall) 5 Inductance (pH/ft) 097 5 Inductance (pH/ft) 097 108 109 109 109 109 109 109 109 109	
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UL Flame Test: UL 1666 Vertical Shaft ability Yes Suitability - Outdoor: Yes Suitability - Aerial: Yes - When supported by a messenger wire trum/Non-Plenum Plenum (YM): Plenum (YM): No Plenum (YM): No Inductance (Othm) 88232 Inductance (Othm) Inductance (Pfrif) 5 Inductance (Pfrif) 63 Salatance (Offrif) 63 Salatance (Pfrif) 73 Salatance (Pfrif) 74 Salatance (Pfrif) 75 Inductore: 74 Salatance (Pfrif) 75 Inductore: 74 Salatance (Pfrif) 75 Inductore: 76 Salatance (Pfrif) 73 Salatance (Pfrif) 74 Salatance (Pfrif) 75 Inductore: 76 Salatance (Pfrif) 76	
Suitability - Indoor: Yes Suitability - Outdoor: Yes Suitability - Aerial: Yes - When supported by a messenger wire num/Non-Plenum Plenum (Y/N): Plenum Number: 88232 trical Characteristics (Overall) Solaracteristic Impedance: or paracteristic Impedance: Solaracteristic Impedance: madeliance (Ohm) Solaracteristic Impedance: Solaracteristic Propagation: Solaracteristic (Pf/I) Solaracteristic (Pf/I) Solaracteristic (Pf/I) Solaracteristic Propagation: Solaracteristic (Pf/I)	
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CR @ 20°C (Ohm/1000 ft) 0.0 . Inner Shield DC Resistance: CR @ 20°C (Ohm/1000 ft) .5 inal Outer Shield DC Resistance: CR @ 20°C (Ohm/1000 ft) .8	
Inner Shield DC Resistance: CR @ 20°C (Ohm/1000 ft) 5 inal Outer Shield DC Resistance: CR @ 20°C (Ohm/1000 ft) 8	
CR @ 20°C (Ohm/1000 ft) 8	
. Attenuation:	
req. (MHz) Attenuation (dB/100 ft.)	
<u>.3</u> .6 .6	
.6 .6 0 .9	

Max. Operating Voltage - UL: Voltage 300 V RMS

71.5

135

270

360

540

720

750 1000

1500

2250

3000

2.1

3.0

4.2

4.8

5.9

7.0 7.1

8.3

10.5

13.4

15.9

Detailed Specifications & Technical Data



Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	850.000	21.000
850.000	4500.000	15.000

Sweep Test

Sweep Testing:

100% sweep tested 5 MHz to 4.5 GHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8232A 0101000	1,000 FT	68.000 LB	BLACK	С	#20 GIFHDLDPE BRD PVC BRD PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 07-24-2012

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