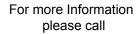
Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

8259 Coax - RG-58A/U Type



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. (m	lm)
1 20 19x33 TC - Tinned Copper 0.889	
Total Number of Conductors:	1
Insulation Insulation Material:	
Insulation MaterialDia. (mm)PE - Polyethylene2.9464	
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 Co	ompliance (Overall)
Applicable Standards & Environmental Progr	rams
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

Detailed Specifications & Technical Data





8259 Coax - RG-58A/U Type

CA Prop 65 (CJ for W	ire & Cable):	Ye	es			
MII Order #39 (China	RoHS):	Ye	es			
RG Type:		58	A/U			
Applicable Patents:						
Country						
www.belden.com/p						
Plenum/Non-Plenum						
Plenum (Y/N):		No				
			, 			
lectrical Characteris		ll)				
Iom. Characteristic Impe	dance:					
Impedance (Ohm)						
50						
Nom. Inductance:						
Inductance (µH/m)						
0.301852						
Nom. Capacitance Condu	ctor to Shield	:				
Capacitance (pF/m)						
101.055						
Nominal Velocity of Propa	nation.					
VP (%)	igation.					
66						
Nominal Delay:						
Delay (ns/m) 5.05274						
Nom. Conductor DC Resis	stance:					
DCR @ 20°C (Ohm/km)						
35.4348						
Nominal Outer Shield DC	Resistance:					
DCR @ 20°C (Ohm/km)						
13.4521						
Nom. Attenuation:						
Freq. (MHz) Attenuation (IB/100m)					
1 1.3124						
10 4.9215						
50 12.1397						
10017.717420026.5761						
400 40.6844						
400 40.0844 700 58.0737						
900 69.2291						
1000 74.8068						
Max. Operating Voltage - I	Non-UI ·					
Voltage						
1400 V RMS						
ut Ups and Colors:						
-						
tem #	Putup	Ship Weight	Color	Notes	Item Desc	
8259 01011000	1 000 FT	26 000 L B	BLACK		RG-584/U 50 OHMS COAX	

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8259 010U1000	1,000 FT	26.000 LB	BLACK		RG-58A/U 50 OHMS COAX
8259 010U500	500 FT	14.000 LB	BLACK		RG-58A/U 50 OHMS COAX
8259 010100	100 FT	3.300 LB	BLACK		RG-58A/U 50 OHMS COAX
8259 0101000	1,000 FT	27.000 LB	BLACK	С	RG-58A/U 50 OHMS COAX

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8259 Coax - RG-58A/U Type

8259 010500	500 FT	14.000 LB	BLACK	С	RG-58A/U 50 OHMS COAX
8259 0105000	5,000 FT	135.000 LB	BLACK	С	RG-58A/U 50 OHMS COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-11-2014

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