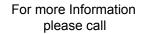
Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

8233 Coax - RG-11/U Type



1-800-Belden1



Description:

EU CE Mark:

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper double shields (95% coverage), polyethylene jacket.

Conductor	
AWG:	
# Coax AWG Stranding Conductor Material Dia.	(mm)
1 14 Solid BC - Bare Copper 1.625	56
nsulation	
Insulation Material:	
Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethyle	ene 7.239
nner Shield Inner Shield Material:	
TypeInner Shield Material Coverage (%)BraidBC - Bare Copper95	
nner Jacket Inner Jacket Material:	
Inner Jacket Material Nom. Dia. (mm)PE - Polyethylene9.271	
Outer Shield Outer Shield Material:	
TypeOuter Shield MaterialCoverage (%)BraidBC - Bare Copper80	
Duter Jacket	
Outer Jacket Material:	
Outer Jacket Material PE - Polyethylene	
Overall Cable	
Overall Nominal Diameter:	12.065 mm
lechanical Characteristics (Overall)	
Operating Temperature Range:	-55°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	166.678 Kg/Km
	756.194 N
Max. Recommended Pulling Tension:	

No

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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:	11/U
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes, when supported by a messenger wire
Suitability - Burial:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No
Electrical Characteristics (Overall)	

Nom. Characteristic Impedance:

Impedance (Ohm) 75

Nom. Inductance:

Inductance (µH/m)

0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

52.8241

Nominal Velocity of Propagation:

VP (%) 84

Nominal Delay:

Delay (ns/m)

3.9372

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

8.2025

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

5.2496

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

4.5934

Nom. Attenuation:

Fred (Attenuation	(dB/100m)	
Freq.	(11112)	Attenuation	(ab/100m)	

	,		
1	0.6562		
3.6	0.9843		
10	1.3124		
71.5	3.6091		
135	4.9215		
270	7.5463		
360	8.8587		

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8233 Coax - RG-11/U Type

540	11.4835
720	13.7802
750	14.1083
1000	17.0612
1500	23.2951
2250	31.4976
3000	39.372

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5	850	21
851	3000	15

Sweep Test

Sweep Testing:

100% Sweep tested 5 MHz to 3 GHz.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8233 0101000	305 MT	53.978 KG	BLACK	С	RG-11/U TYPE TRIAX
8233 0102000	610 MT	108.863 KG	BLACK	С	RG-11/U TYPE TRIAX
8233 010500	152 MT	28.576 KG	BLACK	С	RG-11/U TYPE TRIAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-06-2009

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