Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7733A Coax - RG-8/U Type

For more Information please call

1-800-Belden1



General Description:

RG-8/U type, 10 AWG solid .108" bare copper conductor, plenum, foam FEP insulation, Duofoil® + tinned copper braid shield (90% coverage), fluorocopolymer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	_	Conductor Material	Dia. (mm)
1	10	Solid	BC - Bare Copper	2.7432

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FFEP - Foam Fluorinated Ethylene Propylene	7.112

Outer Shield

Outer Shield Material:

Layer # Outer Shield Trade Name		Type	Outer Shield Material	Coverage (%)	
	1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
	2		Braid	TC - Tinned Copper	90

Outer Jacket

Outer Jacket Material:

Outer Jacket Material PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter: 9.017 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-55°C To +150°C		
UL Temperature Rating:	125°C		
Bulk Cable Weight:	148.820 Kg/Km		
Max. Recommended Pulling Tension:	773.987 N		
Min. Bend Radius/Minor Axis:	95.250 mm		

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification: CMP	
ozologo opecinication.	
EU Directive 2011/65/EU (ROHS II): Yes	
EU CE Mark: Yes	
EU Directive 2000/53/EC (ELV): Yes	
EU Directive 2002/95/EC (RoHS): Yes	

Page 1 of 3 11-08-2019

Detailed Specifications & Technical Data





7733A Coax - RG-8/U Type

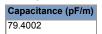
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	8/U
Flame Test	
UL Flame Test:	NFPA 262
CSA Flame Test:	FT6
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	Yes

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 5.9058

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.3281
10	1.3124
50	3.6091
100	4.9215
200	6.8901
400	10.4992
700	14.7645
900	18.7017
1000	19.3579
4000	46.2621

Notes (Overall)

Notes: Low Loss

Put Ups and Colors:

Page 2 of 3 11-08-2019

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7733A Coax - RG-8/U Type

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7733A 0101000	1,000 FT	105.000 LB	BLACK	С	#9-1/2 FFEP SH PVDF
7733A 010500	500 FT	53.500 LB	BLACK	С	#9-1/2 FFEP SH PVDF

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 06-26-2014

© 2019 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Page 3 of 3 11-08-2019