



Product: [8233A](#) 

Triax, RG11, 14 AWG Solid BC, Double BC Braids, PVC Jkt, CMR

Product Description

Triax, RG11, 14 AWG Solid Bare Copper Conductor, PE Insulation, 95% Bare Copper Braid Shield, PVC Insulation, 80% Bare Copper Braid Shield, PVC Jacket, CMR

Technical Specifications

Product Overview

Suitable Applications:	Analog Video; Interconnect camera to CCU (camera control unit)
------------------------	--

Construction Details

RG Type:	11
----------	----

Conductor

Size	Stranding	Nom. Diameter	Material
14 AWG	Solid	0.064 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	0.285 in (7.24 mm)

Inner Shield

Layer	Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	95%

Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.365 in (9.27 mm)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	80%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.475 in (12.1 mm)

Overall Cable Diameter (Nominal):	0.475 in (12.1 mm)
-----------------------------------	--------------------

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 850 MHz	21 dB
850 - 4500 MHz	15 dB

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.14 dB/100ft

3.6 MHz	0.30 dB/100ft
10 MHz	0.40 dB/100ft
71.5 MHz	1.10 dB/100ft
135 MHz	1.60 dB/100ft
270 MHz	2.30 dB/100ft
360 MHz	2.60 dB/100ft
540 MHz	3.30 dB/100ft
720 MHz	3.80 dB/100ft
750 MHz	4.00 dB/100ft
1000 MHz	4.60 dB/100ft
1500 MHz	5.90 dB/100ft
2250 MHz	7.40 dB/100ft
3000 MHz	9.00 dB/100ft
4500 MHz	12.50 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
2.6 Ohm/1000ft (8.5 Ohm/km)	1.7 Ohm/1000ft (5.6 Ohm/km)	1.5 Ohm/1000ft (4.9 Ohm/km)	16.1 pF/ft (52.8 pF/m)	75 Ohm	84%

Voltage

UL Voltage Rating
300 V (CMR, CMG)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-30°C to +75°C

Bend Radius

Installation Min.
5.0 in

Max. Pull Tension:	194 lbs (88.0 kg)
Bulk Cable Weight:	125 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1666 Vertical Shaft
NEC / UL Compliance:	CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	8233P

History

Update and Revision:	Revision Number: 0.336 Revision Date: 04-08-2022
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8233A 0101000	Black	Reel	1,000 ft	612825355649
8233A 0102000	Black	Reel	2,000 ft	612825355632
8233A 0104000	Black	Reel	4,000 ft	612825438236
8233A 0105000	Black	Reel	5,000 ft	612825196655

© 2022 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.