



Product: [8233](#) 

Video Triax, RG11, #14 Solid

Product Description

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper double shields (95% and 80% coverage), polyethylene jacket.

Technical Specifications

Product Overview

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

Construction Details

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

Conductor

Element	No. of Elements	Size	Stranding	Nom. Diameter	Material
Coax(es)	1	14 AWG	Solid	0.0645 in	BC - Bare Copper

Insulation

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

Insulation Table Notes:	Gas Injected
-------------------------	--------------

Inner Shield

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

Inner Jacket

Material	Nom. Diameter
PE - Polyethylene	0.365 in (9.27 mm)

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
PE - Polyethylene	0.475 in (12.1 mm)

Electrical Characteristics

Return Loss

Frequency	Min. Return Loss
5-850 MHz	21 dB
850-3000 MHz	15 dB

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.14 dB/100ft
3.6 MHz	0.3 dB/100ft

10 MHz	0.4 dB/100ft
71.5 MHz	1.1 dB/100ft
135 MHz	1.5 dB/100ft
270 MHz	2.3 dB/100ft
360 MHz	2.7 dB/100ft
540 MHz	3.5 dB/100ft
720 MHz	4.2 dB/100ft
750 MHz	4.3 dB/100ft
1000 MHz	5.2 dB/100ft
1500 MHz	7.1 dB/100ft
2250 MHz	9.6 dB/100ft
3000 MHz	12.0 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.
2.5 Ohm/1000ft (8.2 Ohm/km)	1.6 Ohm/1000ft (5.2 Ohm/km)	1.4 Ohm/1000ft (4.6 Ohm/km)	16.1 pF/ft (52.8 pF/m)	75 Ohm	84%

Voltage

Voltage Rating
600V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-55°C To +80°C

Max. Pull Tension:	170 lbs (77 kg)
Bulk Cable Weight:	112 lbs/1000ft (167 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Aerial - When supported by messenger wire, Burial
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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: 0.565 Revision Date: 03-09-2026
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8233 010500	Black	Reel	500 ft	612825358053	C
8233 0101000	Black	Reel	1,000 ft	612825355656	C
8233 0102000	Black	Reel	2,000 ft	612825434153	C
8233 0104000	Black	Reel	4,000 ft	612825355700	

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

© 2026 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.