Belden



Product: 8233WB

Video Triax, RG11, #14 Solid BC, CPE Jacket, Waterblocked, CM

Product Description

14 AWG solid .064" bare copper conductor, gas-injected foam HDLPE insulation, bare copper braids (95% & 80% coverage), flooded, CPE jacket.

Technical Specifications

Product Overview

Suitable Applications:	Indoor/Outdoor, Aerial - when supported by messenger wire

Construction Details

RG Type:	11
Series Type:	11

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	14 AWG	Solid	0.064 in	BC - Bare Copper

Insulation

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

Insulation Table Notes:	Gas Injected

Inner Shield

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

Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.371 in (9.42 mm)

Outer Shield

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

Outer Shield Table Notes:	CoreGuard®

Outer Jacket

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

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

Electrical Characteristics

Return Loss

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	0.3 dB/100ft
10 MHz	0.4 dB/100ft
71.5 MHz	1.1 dB/100ft
135 MHz	1.6 dB/100ft
270 MHz	2.3 dB/100ft
360 MHz	2.6 dB/100ft
540 MHz	3.3 dB/100ft
720 MHz	3.8 dB/100ft
750 MHz	4 dB/100ft
1000 MHz	4.6 dB/100ft
1500 MHz	5.9 dB/100ft
2250 MHz	7.4 dB/100ft
3000 MHz	9 dB/100ft
4500 MHz	12.5 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 RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation	Storage
75°C	-30°C To +75°C	-20°C To +75°C	-30°C To +90 °C

Bend Radius

Stationary Min.	Installation Min.
4.75 in (121 mm)	4.75 in (121 mm)

Max. Pull Tension:	240 lbs (110 kg)
Bulk Cable Weight:	131 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Aerial - When supported by messenger wire
Flammability / Reaction to Fire:	UL1685 Vertical Tray, FT1
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CM
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)

Product Notes

Notes:	Flooding grease between outer jacket and outer braid. Print legend includes sequential footage marks.

History

Update and Revision:	Revision Number: 0.497 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8233WB 0101000	Black	Reel	1,000 ft	612825440048
8233WB 0102000	Black	Reel	2,000 ft	612825441076
8233WB 0103000	Black	Reel	3,000 ft	612825441168
8233WB 0104000	Black	Reel	4,000 ft	612825196686

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