



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)
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Construction Details

RG Type:	11
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Conductor

Size	Stranding	Nom. Diameter	Material
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

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)
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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	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	-40°C to +80°C

Bend Radius

Installation Min.
5.0 in (130 mm)

Max. Pull Tension:	170 lbs (77 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: 0.495 Revision Date: 04-29-2024
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Part Numbers

Variants

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

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