



**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: 0.494 Revision Date: 04-13-2023
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### 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

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