



**Product:** <u>8233A</u> ☑

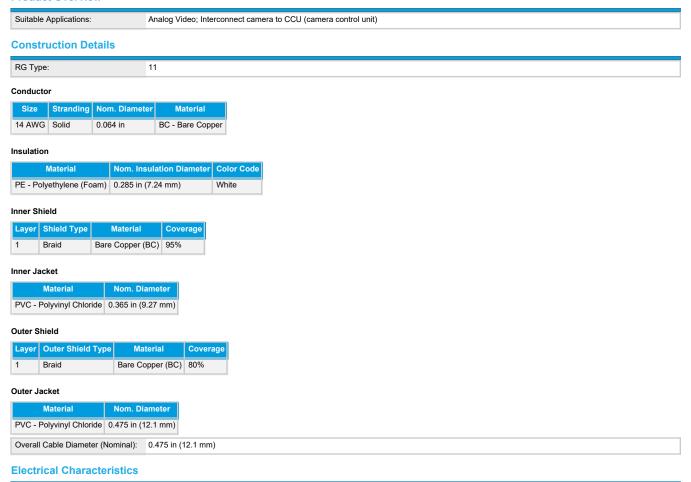
Triax, RG11, 14 AWG Solid BC, Double BC Braids, PVC Jkt, CMR

### **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**



### 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, Outdoor - Black only, 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: 0.496 Revision Date: 02-03-2025

### **Part Numbers**

#### Variants

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

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