



Product: [8233P](#)

Triax, RG11, 14 AWG Solid BC, Double BC Braids, PVDF Jkt, CMP



## Product Description

Triax, RG11, 14 AWG Solid Bare Copper Conductor, FEP Insulation, 95% Bare Copper Braid Shield, PVDF Insulation 80% Bare Copper Braid Shield, PVDF Jacket, CMP

## 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
FEP - Fluorinated Ethylene Propylene (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
PVDF - Polyvinylidene Fluoride	0.350 in (8.89 mm)

#### Outer Shield

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

#### Outer Jacket

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.408 in (10.4 mm)

Overall Cable Diameter (Nominal):	0.408 in (10.4 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	0.09 dB/100ft

3.6 MHz	0.28 dB/100ft
10 MHz	0.47 dB/100ft
71.5 MHz	1.33 dB/100ft
135 MHz	1.90
270 MHz	2.94 dB/100ft
360 MHz	3.42 dB/100ft
540 MHz	4.46 dB/100ft
720 MHz	5.41 dB/100ft
750 MHz	5.51 dB/100ft
1000 MHz	6.74 dB/100ft
1500 MHz	9.03 dB/100ft
2250 MHz	11.30 dB/100ft
3000 MHz	12.54 dB/100ft
3000 MHz	17.00 dB/100ft
4000 MHz	27.45 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	1.6 Ohm/1000ft (5.2 Ohm/km)	1.4 Ohm/1000ft (4.6 Ohm/km)	16.5 pF/ft (54.1 pF/m)	75 Ohm	80%

#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
125°C	-15°C to +125°C

#### Bend Radius

Installation Min.
4.0 in (100 mm)

Max. Pull Tension:	170 lbs (77 kg)
Bulk Cable Weight:	132 lbs/1000ft

### Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
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)
Non-Plenum Number:	8233A

### History

Update and Revision:	Revision Number: 0.448 Revision Date: 04-13-2023
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### Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC
8233P 010500	Black	Reel	500 ft	612825440031
8233P 0101000	Black	Reel	1,000 ft	612825196662
8233P 0105000	Black	Reel	5,000 ft	612825354970

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