



**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

AWG	Stranding	Nom. Diameter	Material
14	Solid	0.064 in	BC - Bare Copper

#### Insulation

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.285 in

#### Inner Shield Material

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

#### Inner Jacket Material

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.350 in

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.408 in

#### Electrical Characteristics

##### Return Loss (RL)

Frequency [MHz]	Min. Return Loss [dB]
5 - 850 MHz	21 dB
850 - 4500 MHz	15 dB

##### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
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 dB/100ft
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
2000 MHz	11.30 dB/100ft
2250 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. Impedance
2.5 Ohm/1000ft	1.6 Ohm/1000ft	1.4 Ohm/1000ft	16.5 pF/ft	75 Ohm

#### Voltage

UL Voltage Rating
300 V (CMP)

## Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Installation Min.
4.0 in

Bulk Cable Weight:	128 lbs/1000ft
Max. Pull Tension:	194 lbs

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	NFPA 262, NFPA 262, FT6
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), 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: 0.310 Revision Date: 08-25-2020
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