



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

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

Insulation

Material	Nom. Diameter
PE - Polyethylene (Foam)	0.285 in

Inner Shield

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

Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.365 in

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

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	0.14 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
2.6 Ohm/1000ft	1.7 Ohm/1000ft	1.5 Ohm/1000ft	16.1 pF/ft	75 Ohm	84%

Voltage

UL Voltage Rating
300 V (CMR, CMG)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-30°C to +75°C

Bend Radius

Installation Min.
5.0 in

Bulk Cable Weight:	125 lbs/1000ft
Max. Pull Tension:	194 lbs

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor
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: 0.330 Revision Date: 10-13-2021
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