



Product: [88232](#)



Triax, RG59, 20 AWG Solid BC, Double 95% BC Braids, FEP Jkt, CMP

Product Description

Triax, RG59 20 AWG, Solid Bare Copper Conductor, FEP Insulation, 95% Bare Copper Braid Shield, FEP Insulation, 95% Bare Copper Braid Shield, FEP 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:	59
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Conductor

Size	Stranding	Nom. Diameter	Material
20 AWG	Solid	0.034 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene (Foam)	0.140 in (3.56 mm)	White

Inner Shield

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

Inner Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.188 in (4.78 mm)

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.245 in (6.22 mm)

Overall Cable Diameter (Nominal):	0.245 in (6.22 mm)
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Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 850 MHz	21 dB
850 - 3000 MHz	15 dB

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.40 dB/100ft

3.6 MHz	0.60 dB/100ft
10 MHz	0.80 dB/100ft
71.5 MHz	2.20 dB/100ft
135 MHz	3.10 dB/100ft
270 MHz	4.50 dB/100ft
360 MHz	5.30 dB/100ft
540 MHz	6.60 dB/100ft
720 MHz	7.70 dB/100ft
750 MHz	7.90 dB/100ft
1000 MHz	9.40 dB/100ft
1500 MHz	12.10 dB/100ft
2250 MHz	15.60 dB/100ft
3000 MHz	18.70 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.
10.0 Ohm/1000ft	2.6 Ohm/1000ft (8.5 Ohm/km)	2.6 Ohm/1000ft (8.5 Ohm/km)	16.9 pF/ft (55.4 pF/m)	75 Ohm	80%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
200°C	-40°C to +200°C

Bend Radius

Installation Min.
2.5 in (64 mm)

Max. Pull Tension:	140 lbs (64 kg)
Bulk Cable Weight:	58 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:	8232A

History

Update and Revision:	Revision Number: 0.481 Revision Date: 04-13-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
88232 010500	Black	Reel	500 ft	612825216902
88232 0101000	Black	Reel	1,000 ft	612825216889

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