



Product: [89248](#)

75 Ohm Analog Video Coax, RG-6, 18 AWG Solid BC, Foil + 65% TC Braid, FEP Jkt, CMP

Product Description

75 Ohm Analog Video Coax, RG-6, 18 AWG Solid Bare Copper Conductor , FEP Insulation, Foil + 65% Tinned Copper Braid Shield, FEP Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	Standard analog video
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Construction Details

RG Type:	6
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Conductor

Size	Stranding	Nom. Diameter	Material
18 AWG	Solid	0.040 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene (Foam)	0.168 in (4.27 mm)	White

Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Tinned Copper (TC)		65%

Outer Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.222 in (5.64 mm)

Overall Cable Diameter (Nominal):	0.222 in (5.64 mm)
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Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 450 MHz	23 dB

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.3 dB/100ft
10 MHz	0.7 dB/100ft
50 MHz	1.5 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	3.1 dB/100ft
400 MHz	4.5 dB/100ft
700 MHz	6.0 dB/100ft
900 MHz	6.9 dB/100ft
1000 MHz	7.3 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
6.4 Ohm/1000ft	5.1 Ohm/1000ft (17 Ohm/km)	16.5 pF/ft (54.1 pF/m)	75 Ohm	82%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

Operating
-70°C to +200°C

Bend Radius

Installation Min.
3.0 in (76 mm)

Max. Pull Tension:	45 lbs (20 kg)
Bulk Cable Weight:	35 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Indoor, Outdoor, UV Resistance, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	9248

History

Update and Revision:	Revision Number: 0.439 Revision Date: 04-29-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
89248 010500	Black	Reel	500 ft	612825220817	C
89248 0101000	Black	Reel	1,000 ft	612825220794	C
89248 0102000	Black	Reel	2,000 ft	612825220800	C

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