



Product: [533945](#)

Surveillance CCTV, RG-6 #18 Sol BC, FPE Core, BC Braid, PVC Jkt, CMG

Product Description

Surveillance, CCTV, RG-6, 18 AWG solid bare copper, foam PE core, 92% bare copper braid, PVC jacket, CMG

Technical Specifications

Product Overview

Suitable Applications:	Surveillance, CCTV Camera
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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	Notes
PE - Polyethylene (Foam)	0.180 in (4.57 mm)	White	Gas Injected

Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	92%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.266 in (6.76 mm)

Overall Cable Diameter (Nominal):	0.266 in (6.76 mm)
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Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.24 dB/100ft
10 MHz	0.72 dB/100ft
50 MHz	1.50 dB/100ft
100 MHz	2.00 dB/100ft
200 MHz	2.90 dB/100ft
400 MHz	4.20 dB/100ft
700 MHz	5.60 dB/100ft
900 MHz	6.40 dB/100ft
1000 MHz	7.00 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	2.7 Ohm/1000ft (8.9 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%

Voltage

UL Voltage Rating
300 V (CMG)

Mechanical Characteristics

Temperature

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

Bend Radius

Installation Min.
2.7 in (69 mm)

Max. Pull Tension:	56 lbs (25 kg)
Bulk Cable Weight:	37 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Sunlight Resistance, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	UL1685 FT4 Loading, Limited Smoke
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CMG
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	P-07-KA110035-MSHA

History

Update and Revision:	Revision Number: 0.549 Revision Date: 05-25-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
533945 010500	Black	Reel	500 ft	612825161066
533945 0101000	Black	Reel	1,000 ft	612825161059
533945 010U1000	Black	UnReel	1,000 ft	612825161042
533945 0091000	White	Reel	1,000 ft	612825161035
533945 009U1000	White	UnReel	1,000 ft	612825161028

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