



Product: [433945](#)

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

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	Coaxial cable used in analogue video and CCTV communication networks designed according European Standard EN 50117-1; Operating at frequencies between 5 and 1000 MHz
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Construction Details

RG Type:	6
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Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	18 AWG	Solid	1.02 mm	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	4.57 mm (0.180 in)

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.75 mm

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.78 dB/100m
10 MHz	2.1 dB/100m
50 MHz	4.92 dB/100m
100 MHz	6.56 dB/100m
200 MHz	9.51 dB/100m
400 MHz	13.8 dB/100m
700 MHz	18.4 dB/100m
900 MHz	21 dB/100m
1000 MHz	23 dB/100m

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
21 Ohm/km	16.4 Ohm/km (5.00 Ohm/1000ft)	53.4 pF/m (16.3 pF/ft)	75 Ohm	83%

Voltage

Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

Operating	Storage
-30°C To +70°C	-30°C To +70°C

Bend Radius

Stationary Min.	Installation Min.
33.75 mm (1.329 in)	67.5 mm

Max. Pull Tension:	30 N (6.7 lbf)
Bulk Cable Weight:	52 kg/km

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.256 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
433945.01500	Black	Reel	500 m	8719605127570
433945.00100	Gray	Reel	100 m	8719605006790
433945.00500	Gray	Reel	500 m	8719605006806

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