



**Product:** [513945E](#)

Surveillance CCTV, RG-11 #14 BC, 95% BC Braid, PVC, Eca

## Product Description

Surveillance and CCTV Cable, Coax RG11/U, Solid bare copper, gas injected polyethylene, 95% bare copper braid, PVC 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:	11
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#### Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	14 AWG	Solid	1.63 mm	BC - Bare Copper

#### Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	7.11 mm (0.280 in)

#### Outer Shield

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

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	10.3 mm

### Electrical Characteristics

#### Return Loss (RL)

Frequency	Min. Return Loss
5 - 30 MHz	23 dB
30 - 470 MHz	23 dB
470 - 1000 MHz	20 dB

Table Notes: In each frequency band, 3 peak values up to 4 dB lower are allowed

#### Attenuation

Frequency	Nom. Attenuation
1 MHz	0.56 dB/100m
10 MHz	1.15 dB/100m
50 MHz	2.95 dB/100m
100 MHz	4.26 dB/100m
200 MHz	6.2 dB/100m
400 MHz	9.5 dB/100m
700 MHz	13.5 dB/100m
900 MHz	15.8 dB/100m

1000 MHz	17.1 dB/100m
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Table Notes:	Max. attenuation 10% higher
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#### Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
8.5 Ohm/km (2.6 Ohm/1000ft)	53 pF/m (16 pF/ft)	75 Ohm	84%

#### Mechanical Characteristics

##### Temperature

Operating	Installation	Storage
-30°C To +75°C	-5°C To +50°C	-30°C To +75°C

##### Bend Radius

Stationary Min.
101 mm (3.98 in)

Bulk Cable Weight:	119 kg/km
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#### Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
CENELEC Compliance:	EN 50117-1, EN 50117-9-1, EN 50290-2-20
UK Regulation Compliance:	UKCA Mark

#### History

Update and Revision:	Revision Number: 0.244 Revision Date: 02-03-2025
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#### Part Numbers

##### Variants

Item #	Color	Putup Type	Length	EAN
513945E.00305	Black	Reel	305 m	8719605007896
513945E.001000	Black	Reel	1,000 m	8719605007889

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