Belden



Product: 443945

Life Cycle Status: Discontinued

Surveillance CCTV, RG-59 #20 BC, 90% BC Braid, LSZH Jkt, Eca

Product Description

Surveillance & CCTV Cable, RG59, Rated-CMG, 20 AWG solid bare copper, foam polyolefin core, 90% bare copper braid, LSZH jacket, Eca

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

Product Life Cycle

Life Cycle:	Discontinued - the product is no longer manufactured

Construction Details

RG Type:	59

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	20 AWG	Solid	0.81 mm	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	3.68 mm (0.145 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)	5.9 mm (0.23 in)

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.98 dB/100m
5 MHz	2.13 dB/100m
10 MHz	2.95 dB/100m
50 MHz	6.23 dB/100m
100 MHz	8.53 dB/100m
200 MHz	11.8 dB/100m
400 MHz	16.4 dB/100m
700 MHz	23 dB/100m
900 MHz	26.2 dB/100m
1000 MHz	27.9 dB/100m

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
33.5 Ohm/km (10.2 Ohm/1000ft)	12.48 Ohm/km (3.804 Ohm/1000ft)	55.6 pF/m (16.9 pF/ft)	75 Ohm	83%

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
29.5 mm (1.16 in)	59 mm (2.3 in)

Bulk Cable Weight:	43 kg/km (29 lbs/1000ft)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.321 Revision Date: 09-09-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
443945.01305	Black	Reel	305 m	8719605006998
443945.01500	Black	Reel	500 m	8719605170408
443945.011524	Black	Reel	1,524 m	8719605006981
443945.00100	Gray	Reel	100 m	8719605006950
443945.00999	Gray	Reel	499 m	8719605006974
443945.00500	Gray	Reel	500 m	8719605006967

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