Belden

Product: 7985LC

Surveillance CCTV, RG-6 #18 BC, 95% BC Braid, CMP

Product Description

Surveillance & CCTV Cable, RG6, Plenum-CMP-FHC 25/50, 18 AWG bare copper foam FEP core, 95% bare copper braid, FEP jacket

Technical Specifications

Product Overview

Suitable Applications:	Surveillance, CCTV Camera

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	1

Conductor Count:	1

Insulation

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	Teflon®	0.17 in

Outer Shield

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

Outer Jacket

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	Teflon®	0.228 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	2.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Inductance

Nominal Inductance
0.097 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.24 dB/100ft

3 MHz	0.45 dB/100ft
5 MHz	0.55 dB/100ft
8 MHz	0.7 dB/100ft
10 MHz	0.85 dB/100ft
50 MHz	1.5 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	3.1 dB/100ft
400 MHz	4.7 dB/100ft
700 MHz	6.8 dB/100ft
900 MHz	8 dB/100ft
1000 MHz	8.5 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
83 ns/100m	1.24 ns/ft	83%

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temperature Rating:	200°C
Operating Temperature Range:	-40°C To +200°C

Mechanical Characteristics

Bulk Cable Weight:	41 lbs/1000ft
Maximum Recommended Pulling Tension:	84 lbs
Min Bend Radius (Overall Cable):	1.04
Minimum Minor Axis Bend Radius:	2.25 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	Limited Combustible FHC 25/50 CMP
CEC/C(UL) Compliance:	CMP
RG Type:	6
Series Type:	6

Applicable Environmental and Other Programs

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL723 (NFPA 255)
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
7985LC 010500	Black	Reel	500 ft	612825192466
7985LC 0101000	Black	Reel	1,000 ft	612825192459

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

Notes:	Teflon« is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

History

Update and Revision:	Revision Number: 0.376 Revision Date: 02-20-2026

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