



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

Mechanical Characteristics

Bulk Cable Weight:	41 lbs/1000ft
Max. Pull Tension:	84 lbs
Min Bend Radius (Overall Cable):	1.04
Min. Bend Radius/Minor Axis:	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: 0.373 Revision Date: 05-05-2023
----------------------	--

© 2023 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.