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please call

1-800-Belden1



General Description:

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

Usage (Overall)

Suitable Applications: CCTV

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	4.318

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Teflon®	FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 5.791 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 200°C

Bulk Cable Weight: 61.016 Kg/Km

Max. Recommended Pulling Tension: 373.649 N

Min. Bend Radius/Minor Axis: 57.150 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: Limited Combustible FHC 25/50 CMP

NEC Articles: 800

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	6/U
Series Type:	Series 6

Flame Test

UL Flame Test:	UL723 (NFPA 255)
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Surface Printing (Overall)

Surface Printing:	"NEW GENERATION(R) BY BELDEN 7985LC RG-6 TYPE 1C18 200C E108998 (UL) LIMITED COMBUSTIBLE FHC 25/50 CMP OR C(UL) CMP (2 FT. 7 DIGIT SEQUENTIAL NUMBER) FEET"
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.4803

Nominal Velocity of Propagation:

VP (%)

83

Nominal Delay:

Delay (ns/m)

4.06844

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

7.2182

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1	0.78744
3	1.47645
5	1.80455
8	2.2967
10	2.78885
50	4.9215
100	6.8901
200	10.1711

METRIC MEASUREMENT VERSION

7985LC Coax - Surveillance and CCTV Applications

400	15.4207
700	22.3108
900	26.248
1000	27.8885

Max. Operating Voltage - UL:

Voltage
300 V RMS

Notes (Overall)

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7985LC 0101000	1,000 FT	44.000 LB	BLACK	C	#18 FFEP BRD FEP
7985LC 010500	500 FT	22.000 LB	BLACK	C	#18 FFEP BRD FEP

Notes:

C = CRATE REEL PUT-UP.

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