

Part Number: 7986LC

Surveillance CCTV, RG-59 #20 BC, 95% BC Braid, CMP-FHC 25/50



Product Description

Surveillance & CCTV Cable, RG59, Plenum-CMP-FHC 25/50, 20 AWG bare copper foam FEP core, 95% bare copper braid, FEP jacket

Technical Specifications

Product Overview

Suitable Applications:	CCTV
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	1

Conductor Count:	1
Conductor Size:	20 AWG

Insulation

Material	Material Trade Name	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	Teflon®	0.135 in

Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	Teflon®	0.193 in

Construction and Dimensions

Print Legend:	NEW GENERATION(R) BY BELDEN 7986LC RG-59 TYPE 1C20 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

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR
10 Ohm/1000ft	10 Ohm/1000ft	2.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.1 pF/ft

Shielding:	Braid(s)
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Inductance

Nominal Inductance
0.097 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.29 dB/100ft
3 MHz	0.58 dB/100ft
5 MHz	0.7 dB/100ft
8 MHz	0.87 dB/100ft
10 MHz	1.05 dB/100ft
50 MHz	1.8 dB/100ft
100 MHz	2.7 dB/100ft
200 MHz	3.9 dB/100ft
400 MHz	5.9 dB/100ft
700 MHz	8.5 dB/100ft
900 MHz	10 dB/100ft
1000 MHz	10.7 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
84 ns/100m	1.21 ns/ft	84 %

High Freq

Frequency [MHz]
1 MHz
3 MHz
5 MHz
8 MHz
10 MHz
50 MHz
100 MHz
200 MHz
400 MHz
700 MHz
900 MHz
1000 MHz

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	31 lbs/1000ft
Max Recommended Pulling Tension:	52 lbs
Min Bend Radius (Overall Cable):	1.04
Min Bend Radius/Minor Axis:	1.75 in

Standards

NEC/(UL) Specification:	Limited Combustible FHC 25/50 CMP
RG Type:	59/U Type
Series Type:	Series 59
RG / Series Type:	Series 59

Applicable Environmental and Other Programs

EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	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
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Part Number

Variants

Item #	Color	Footnote
7986LC 0101000	Black	C
7986LC 010500	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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