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please call

1-800-Belden1



### General Description:

Surveillance & CCTV Cable, RG59, Plenum-CMP-FHC 25/50, 20 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. (in.)
1	20	Solid	BC - Bare Copper	.032

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.135

#### 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: 0.193 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +200°C
UL Temperature Rating:	200°C
Bulk Cable Weight:	31 lbs/1000 ft.
Max. Recommended Pulling Tension:	52 lbs.
Min. Bend Radius/Minor Axis:	1.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	Limited Combustible FHC 25/50 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:	59/U

## 7986LC Coax - Surveillance and CCTV Applications

Series Type: Series 59

### Flame Test

UL Flame Test: UL723 (NFPA 255)

### Plenum/Non-Plenum

Plenum (Y/N): Yes

### Surface Printing (Overall)

Surface Printing: "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"

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance (µH/ft)

.097

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.1

#### Nominal Velocity of Propagation:

VP (%)

84

#### Nominal Delay:

Delay (ns/ft)

1.21

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.0

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.5

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.29
3	0.58
5	0.70
8	0.87
10	1.05
50	1.80
100	2.7
200	3.9
400	5.9
700	8.5
900	10.0
1000	10.7

#### 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:

No put ups and colors are available for this product

Revision Number: 2 Revision Date: 03-13-2013

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