

7986LC Coax - Surveillance and CCTV Applications

For more Information
please call

1-800-Belden1

**Description:**

20 AWG bare copper conductor, foam FEP insulation, bare copper braid shield, FEP jacket, sequential footage marking every two feet.

Usage (Overall)

Suitable Applications: CCTV

Physical Characteristics (Overall)**Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

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 (Install)/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 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

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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	59/U
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Series Type:	Series 59
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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)**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.)
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1	0.29
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3	0.58
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5	0.70
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8	0.87
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10	1.05
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50	1.80
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100	2.7
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200	3.9
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400	5.9
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700	8.5
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900	10.0
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1000	10.7
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Max. Operating Voltage - UL:

Voltage

300 V RMS

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Notes (Overall)

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7986LC 0101000	1,000 FT	33.000 LB	BLACK	C	#20 FFEP BRD FEP
7986LC 010500	500 FT	17.000 LB	BLACK	C	#20 FFEP BRD FEP

Notes:

C = CRATE REEL PUT-UP.

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