

9117M Coax - CATV Cable



For more Information
please call

1-800-Belden1



Description

Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II + aluminum braid shield (60% coverage), PVC jacket.

Physical Characteristics (Overall):

Conductor:

AWG

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	0.040

Insulation:

Insulation Material

Ins Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	0.180

Outer Shield:

Outer Shield Material

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

Messenger:

Messenger Diameter	.051
Messenger Material	Galvanized Steel

Overall Cabling:

Overall Nominal Diameter:	0.270 x 0.410 in.
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Mechanical Characteristics (Overall):

Operating Temperature Range	-40°C To +80°C
Bulk Cable Weight:	42 lbs/1000 ft.
Max. Recommended Pulling Tension:	110 lbs.
Min. Bend Radius (Install)/Minor Axis:	3 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004
Series Type	Series 6

Plenum/Non-Plenum:

Plenum (Y/N)	N
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Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
75 +/- 3

Nom. Inductance

Inductance (µH/ft)
0.097

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
16.200

Nominal Velocity of Propagation

VP (%)
83

Nominal Delay

Delay (ns/ft)
1.200

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
28.000

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
9.000

Max. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	5.000			0.670
	55.000			1.600
	211.000			2.870
	270.000			3.240
	300.000			3.430
	350.000			3.720
	400.000			4.000
	450.000			4.260
	550.000			4.710
	750.000			5.590
	870.000			6.000
	1000.000			6.540

Max. Operating Voltage - Non-UL

Voltage
350 V RMS

Minimum Structural Return Loss

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5.000	1000.000	20.000

Sweep Test:

Sweep Testing 5 MHz - 1 GHz

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9117M 0101000	1,000 FT	44.000 LB	BLACK		#18 GIFHDLDPPE SH PVC W/MSGR BLK

Notes:

Revision Number: 2 Revision Date: 05-14-2007

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