Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9066 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), polyethylene jacket (black or orange).

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	.040

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.180

Outer Shield

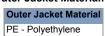
Outer Shield Material:

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 Shield Flooding Grease: CoreGuard®

Outer Jacket

Outer Jacket Material:



Overall Cable

Overall Nominal Diameter: 0.270 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-55°C To +80°C
Bulk Cable Weight:	26 lbs/1000 ft.
Max. Recommended Pulling Tension:	126 lbs.
Min. Bend Radius (Install)/Minor Axis:	3 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes

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	MII Order #39 (China RoHS):	Yes
	Series Type:	Series 6
Su	itability	
	Suitability - Burial:	Yes
Ple	enum/Non-Plenum	
	Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

Nom. Inductance:

Inductance (µH/ft) .097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft) 16.2

Nominal Velocity of Propagation:

VP (%) 83

Nominal Delay:

Delay (ns/ft) 1.2

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 28.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Attenuation:

Attenuation (dB/100 ft.)			
0.67			
1.60			
2.87			
3.24			
3.43			
3.72			
4.00			
4.26			
4.71			
5.59			
6.00			
6.54			

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	1000	20

Sweep Test

Sweep Testing: 5 MHz - 1 GHz

Related Documents:

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No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9066 0031000	1,000 FT	27.000 LB	ORANGE		#18 GIFHDLDPE SH LDPE
9066 0101000	1,000 FT	27.000 LB	BLACK	С	#18 GIFHDLDPE SH LDPE

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 04-25-2008

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