



## 9066 Coax - Broadband Coax CATV Cable

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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### Description:

18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II and a 60% aluminum braid shield with CoreGuard®, Polyethylene jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
Series Type	Series 6
AWG	18
Stranding	Solid
Conductor Diameter	.040 in.
Conductor Material	BCCS - Bare Copper Covered Steel

#### INSULATION:

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.180 in.

#### OUTER SHIELD:

Outer Shield Material Trade Name	Duobond® II
Outer Shield Type	Tape/Braid

Outer Shield Material :

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

Outer Shield % Coverage	100 %
Outer Shield Flooding Grease	CoreGuard®

#### OUTER JACKET:

Outer Jacket Material	PE - Polyethylene
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### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.270 in.
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### MECHANICAL CHARACTERISTICS:

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)	3 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### SWEEP TEST:

Sweep Testing	5 MHz - 1 GHz
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#### SUITABILITY:

Suitability - Burial	Yes
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#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 +/-3 Ohms
Nom. Inductance	.097 µH/ft
Nom. Capacitance Conductor to Shield	16.2 pF/ft
Nominal Velocity of Propagation	83 %
Nominal Delay	1.2 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	28.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	9 Ohms/1000 ft

#### Minimum Structural Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)
		5	1000	20

#### Max. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 ft.)
	5			0.67
	55			1.60
	211			2.87
	270			3.24
	300			3.43
	350			3.72
	400			4.00
	450			4.26
	550			4.71
	750			5.59
	870			6.00
	1000			6.54



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Max. Operating Voltage - Non-UL 350 V RMS

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9066 0031000	#18 GIFHDLDP SH LDPE	1000	27	ORANGE	
9066 0101000	#18 GIFHDLDP SH LDPE	1000	27	BLACK	C

C = CRATE REEL PUT-UP.

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