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### General 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.)
2	18	Solid	BCCS - Bare Copper Covered Steel	.040

Total Number of Conductors: 2

#### 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 Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.270 x 0.590 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
Bulk Cable Weight:	54 lbs/1000 ft.
Max. Recommended Pulling Tension:	252 lbs.
Min. Bend Radius/Minor Axis:	3 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CATV, CM
CEC/C(UL) Specification:	CM
EU Directive 2011/65/EU (ROHS II):	Yes
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
MII Order #39 (China RoHS):	Yes
Series Type:	Series 6

#### Flame Test

UL Flame Test: UL1685 UL Loading

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**  
75.000

**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)**  
9

**Max. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
5.000	0.580
55.000	1.600
211.000	3.050
270.000	3.370
300.000	3.550
350.000	3.850
400.000	4.150
450.000	4.400
550.000	4.900
750.000	5.650
870.000	6.110
1000.000	6.550
1500.000	8.100
1800.000	8.800
2250.000	10.000
3000.000	11.900

**Max. Operating Voltage - UL:**

**Voltage**  
350 V RMS

**Minimum Structural Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	1000.000	20.000
1000.000	2250.000	15.000
2250.000	3000.000	10.000

**Sweep Test**

Sweep Testing: Sweep tested 5 MHz to 3 GHz.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9077	1 EA	0.000 LB			0955 284 204/1 M
9077 0101000	1,000 FT	61.000 LB	BLACK		2#18GIFHDLDP SH FRPVC

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