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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. (mm)
2	18	Solid	BCCS - Bare Copper Covered Steel	1.016

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	4.572

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: 6.858 x 14.986 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
Bulk Cable Weight:	80.363 Kg/Km
Max. Recommended Pulling Tension:	1120.946 N
Min. Bend Radius/Minor Axis:	76.200 mm

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/m)
0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.1522

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/m)
3.9372

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
91.868

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
29.529

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
5.000	1.903
55.000	5.250
211.000	10.007
270.000	11.057
300.000	11.648
350.000	12.632
400.000	13.616
450.000	14.436
550.000	16.077
750.000	18.538
870.000	20.047
1000.000	21.491
1500.000	26.576
1800.000	28.873
2250.000	32.810
3000.000	39.044

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
900005030	1 EA	0.331 LB			0955 284 204/1 M
9077 0101000	1,000 FT	61.000 LB	BLACK		2#18GIFHDLDP SH FRPVC

METRIC MEASUREMENT VERSION

9077 Coax - CATV Cable

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