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### Description:

18 AWG solid .040" bare copper-covered steel conductor, plenum, foam FEP insulation, Duofoil® (100% coverage) + TC braid shield (95% coverage), fluorocopolymer jacket.

### 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.)
FFEP - Foam Fluorinated Ethylene Propylene	.170

#### Outer Shield

##### Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVDF - Fluorocopolymer

#### Overall Cabling

Overall Nominal Diameter: 0.234 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +150°C
Bulk Cable Weight:	43 lbs/1000 ft.
Max. Recommended Pulling Tension:	141 lbs.
Min. Bend Radius (Install)/Minor Axis:	3 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CATVP, CMP
CEC/C(UL) Specification:	CXC
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):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

Series Type: Series 6

**Flame Test**

UL Flame Test: NFPA 262

CSA Flame Test: FT4, FT6

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

Plenum Number: 89120, 82120

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)

75

**Nom. Inductance:**

Inductance (μH/ft)

.09

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)

16.5

**Nominal Velocity of Propagation:**

VP (%)

82

**Nominal Delay:**

Delay (ns/ft)

1.24

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

28.0

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

1.7

**Nom. Attenuation:**

Freq. (MHz) Attenuation (dB/100 ft.)

1	.3
10	.66
50	1.6
100	2.2
200	3.0
400	4.6
700	6.6
900	7.7
1000	8.2

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Minimum Structural Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	400	20

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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