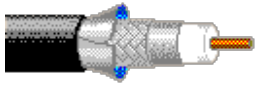


For more Information  
please call

1-800-Belden1



## General Description:

18 AWG solid .040" bare copper-covered steel conductor, foam FEP insulation, Duobond® III + aluminum braid shield (77% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BCCS - Bare Copper Covered Steel	1.016

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
Foam FEP	4.267

### Outer Shield

#### Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	AL - Aluminum	77.000
3	Belfoil®	Tape	Aluminum Foil-Polyester Tape - Bonded to Jacket	100.000

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 6.071 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 80°C

Bulk Cable Weight: 41.670 Kg/Km

Max. Recommended Pulling Tension: 613.852 N

Min. Bend Radius/Minor Axis: 60.960 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CATVP

CEC/C(UL) Specification: CMP

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):	11/06/2012
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
RG Type:	6/U
Series Type:	Series 6

### Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT4
CSA Flame Test:	FT6
IEEE Flame Test:	1202

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Aerial:	No
Sunlight Resistance:	No

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1613A, 1613B, 1613R

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

### 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)
18.3736

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.984
10.000	2.165
50.000	5.250

100.000	7.218
200.000	9.843
400.000	15.093
700.000	21.655
900.000	25.264
1000.000	26.904

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Minimum Structural Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	1000.000	20.000

**Sweep Test**

**Sweep Testing:** 5 MHz to 1 GHz

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1613AP 009U1000	1,000 FT	28.000 LB	WHITE		#18 FFEP SH FS FLRST
1613AP 0091000	1,000 FT	30.000 LB	WHITE	C	#18 FFEP SH FS FLRST

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 0    Revision Date: 02-18-2014

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