

**9116**



**Coax - CATV Cable**

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.

**For more information please call**

**1-800-Belden1**



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**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9116 Q5HU1000	305 MT	13.154 KG	WHITE, NEUTRAL		#18 GIFHDL DPE SH PVC
9116 Q5H1000	305 MT	13.608 KG	WHITE, NEUTRAL		#18 GIFHDL DPE SH PVC
9116 009U1000	305 MT	13.154 KG	WHITE		#18 GIFHDL DPE SH PVC
9116 0091000	305 MT	13.608 KG	WHITE		#18 GIFHDL DPE SH PVC
9116 009500	152 MT	7.031 KG	WHITE		#18 GIFHDL DPE SH PVC
9116 010S700	213 MT	8.573 KG	BLACK		#18 GIFHDL DPE SH PVC
9116 010U1000	305 MT	13.154 KG	BLACK		#18 GIFHDL DPE SH PVC
9116 010U500	152 MT	6.804 KG	BLACK		#18 GIFHDL DPE SH PVC
9116 0101000	305 MT	13.608 KG	BLACK	C	#18 GIFHDL DPE SH PVC
9116 010500	152 MT	7.031 KG	BLACK		#18 GIFHDL DPE SH PVC
9116 290U1000	305 MT	13.154 KG	BEIGE, LIGHT		#18 GIFHDL DPE SH PVC

**Notes:**  
C = CRATE REEL PUT-UP.

**Physical Characteristics (Overall)**

**Conductor**

**AWG:**

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

**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**

<b>Overall Nominal Diameter:</b>	6.858 mm
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**Mechanical Characteristics (Overall)**

<b>Installation Temperature Range:</b>	-30°C To +80°C
<b>Operating Temperature Range:</b>	-40°C To +80°C
<b>Bulk Cable Weight:</b>	44.646 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	560.473 N
<b>Min. Bend Radius (Install)/Minor Axis:</b>	50.800 mm

**Applicable Specifications and Agency Compliance (Overall)**

**Applicable Standards & Environmental Programs**

<b>NEC/(UL) Specification:</b>	CATV, CM
<b>CEC/C(UL) Specification:</b>	CM
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes

<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2004
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Series Type:</b>	Series 6

#### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading
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#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
<b>Plenum Number:</b>	9116P

### 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)
29.529

#### Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
5	2.19827
55	5.2496
211	9.41647
270	10.6304
300	11.2538
350	12.2053
400	13.124
450	13.9771
550	15.4535
750	18.3408
870	19.686
1000	21.4577

#### Max. Operating Voltage - UL:

Voltage
350 V RMS

#### Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
	5	1000	20	

#### Sweep Test

<b>Sweep Testing:</b>	5 MHz - 1 GHz
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Close

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