Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9116 Coax - CATV Cable

For more Information please call

1-800-Belden1



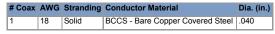
General Description:

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:



Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.180

Outer Shield

Outer Shield Material:

I	Layer#	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
ı	1	Bonded Duofoil®	Таре	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
ı	2		Braid	AL - Aluminum	60

Outer Jacket

Outer Jacket Material:

Outer Jacket Material PVC - Polyvinyl Chloride

NEC//III \ Consolfication

Overall Cable

Overall Nominal Diameter: 0.270 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C		
Bulk Cable Weight:	27 lbs/1000 ft.		
Max. Recommended Pulling Tension:	126 lbs.		
Min. Bend Radius/Minor Axis:	2.750 in.		

CATV CM

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:	Yes
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: UL1581 Vertical Flame and FT-1 Flame Test

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9116 010U500

9116 0101000

500 FT

1,000 FT

15.000 LB

30.000 LB

BLACK

BLACK



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Plenum/Non	-Plenum						
Plenum (Y/N):			No			
Plenum N	lumber:			9116P			
Floctrical C	haracteristics	(Overall)					
	Nom. Characteristic Impedance: Impedance (Ohm) Tolerance (Ohms) 75						
Nom. Inductan							
Inductance							
	ance Conductor to	Shield:					
Capacitano		· · · · · · · · · · · · · · · · · · ·					
	city of Propagation	n:					
VP (%)	nij or i ropuguno.						
83							
Nominal Delay	<i>r</i> :						
Delay (ns/ft	t)						
Nom. Conduct	⊸ tor DC Resistance	:					
DCR @ 20°	C (Ohm/1000 ft)						
Nominal Outer	r Shield DC Resist	ance:					
	C (Ohm/1000 ft)						
Max. Attenuati	ion:						
) Attenuation (dB/	/100 ft.)					
5	0.67						
55	1.60						
211	2.87						
270	3.24						
300 350	3.43						
400	4.00						
450	4.26						
550	4.71						
750	5.59						
870	6.00	$\overline{}$					
1000	6.54						
Max. Operating	g Voltage - UL:						
300 V RMS							
	ctural Return Loss						
Description	Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Min. SRL (dB) 5						
•	Sweep Test Sweep Testing: 5 MHz - 1 GHz						
Put Ups and	d Colors:						
Item #		Putup	Ship Weight	Color	Notes	Item Desc	
9116 Q5HU100	00	1,000 FT	29.000 LB	WHITE, NEUTRAL		#18 GIFHDLDPE SH PVC	
9116 Q5H1000)	1,000 FT	30.000 LB	WHITE, NEUTRAL		#18 GIFHDLDPE SH PVC	
9116 009N100	0	1,000 FT	30.000 LB	WHITE	С	#18 GIFHDLDPE SH PVC	
9116 009U100	0	1,000 FT	29.000 LB	WHITE		#18 GIFHDLDPE SH PVC	
9116 0091000		1,000 FT	30.000 LB	WHITE		#18 GIFHDLDPE SH PVC	
9116 009500		500 FT	15.500 LB	WHITE		#18 GIFHDLDPE SH PVC	
9116 010N100		1,000 FT	30.000 LB	BLACK	С	#18 GIFHDLDPE SH PVC	
9116 010S700		700 FT	18.900 LB	BLACK		#18 GIFHDLDPE SH PVC	
9116 010U100	0	1,000 FT	29.000 LB	BLACK		#18 GIFHDLDPE SH PVC	

#18 GIFHDLDPE SH PVC

#18 GIFHDLDPE SH PVC

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9116 010500	500 FT	15.500 LB	BLACK	#18 GIFHDLDPE SH PVC
9116 290U1000	1,000 FT	29.000 LB	BEIGE, LIGHT	#18 GIFHDLDPE SH PVC

Notes: C = CRATE REEL PUT-UP.

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