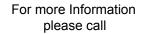
Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9116 Coax - CATV Cable



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:			
# Coax AWG Stranding Conductor Material	Dia. (mm)		
1 18 Solid BCCS - Bare Copper Covered	I Steel 1.016		
Total Number of Conductors:	1		
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	d Material Coverage (%)		
	ninum Foil-Polyester Tape-Aluminum Foil 100		
2 Braid AL - Aluminu	ım 60		
Outer Jacket Outer Jacket Material:			
Outer Jacket Material			
PVC - Polyvinyl Chloride			
Overall Cable			
Overall Nominal Diameter:	6.858 mm		
Mechanical Characteristics (Overall)			
Operating Temperature Range:	-40°C To +80°C		
Bulk Cable Weight:	40.181 Kg/Km		
Max. Recommended Pulling Tension:	560.473 N		
Min. Bend Radius/Minor Axis:	69.850 mm		
Applicable Specifications and Agency Co	mpliance (Overall)		
Applicable Standards & Environmental Progr	ams		
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		

Detailed Specifications & Technical Data

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EU Di	rective 2002/96/EC (WEE	: Yes
EU Di	rective 2003/11/EC (BFR)	Yes
CA Pr	op 65 (CJ for Wire & Cab): Yes
MII Or	der #39 (China RoHS):	Yes
Series	з Туре:	Series 6
ame Te		
	ame Test:	UL1581 Vertical Flame and FT-1 Flame Test
	Non-Plenum	
Plenu	m (Y/N):	No
Plenu	m Number:	9116P
ectrica	I Characteristics (O	erall)
	racteristic Impedance:	,
	nce (Ohm) Tolerance (Ohms	
75	± 3	
om. Indu	ictance:	
	nce (µH/m)	
0.318257		
Can	acitance Conductor to S	
	ance (pF/m)	90.
53.1522		
minal V	lalacity of Dronoration	
	elocity of Propagation:	
VP (%) 83		
ominal D)elav:	
Delay (n	-	
3.9372		
om. Con	ductor DC Resistance:	
	20°C (Ohm/km)	
91.868		
ominal C	Duter Shield DC Resistan	r.
	20°C (Ohm/km)	
29.529		
ax. Atter	nuation:	
	Hz) Attenuation (dB/100m)	
5	2.19827	
55	5.2496	
211	9.41647	
270 300	10.6304	
300 350	11.2538 12.2053	
400	13.124	
400	13.9771	
450 550	15.4535	
	18.3408	
750		
750	10.696	
750 870 1000	19.686 21.4577	

350 V RMS

Minimum Structural Return Loss:

Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Min. SRL (dB)

Detailed Specifications & Technical Data





9116 Coax - CATV Cable



Sweep Test

Sweep Testing:

5 MHz - 1 GHz

Put Ups and Colors:

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

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-08-2012

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