Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9116R 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.

Conductor Material Dia (mm) # Coax AWG Static BCCS - Bare Copper Covered Steel 1016 Total Number of Conductors: 1 Insulation Insulation Material: 1 Insulation Material: 1 Insulation Material: 1 Cotter Shield Material: 1 Cotter Shield Material: 1 Date Shield Material: 100 2 Braid AL - Auminum Feil Polyester Tape Auminum Feil 100 2 Braid AL - Auminum Model Material: 100 Outer Jacket Material: 000 Outer Jacket Material: 000 Outer Jacket Material: 000 Outer Jacket Material: 000 Overal Nominal Diameter: 6.985 mm Mechanical Characteristics (Overall) 00 Overal Nominal Diameter: 6.985 mm Max. Recommended Pulling Tansion: 500.473 N Max. Recommended Pulling Tansion: 500.473 N Max. Recommended Pulling Tansion: CATVR, CMG, CMR EU Directive 2000/SIEC (EV): <th></th>	
# Coax AVG Stranding Conductors Dia. (mm) 1 18 Solid BCCCS - Bare Cooper Covered Steel 1016 Total Number of Conductors: 1 Insulation Material Dia. (mm) Case-Injected FPE - Foam Polyethylene 4.572 Cuter Shield Coverage (%) Cuter Shield Tade Name Type Outer Shield Naterial: Coverage (%) 1 Bonded Dudolile Tape Bonded Aluminum Foil-Polyester Tape-Aluminum Foil 100 2 Braid AL - Aluminum 60 000 60 000 Outer Jacket Material: Dufer Jacket Material: 000000000000000000000000000000000000	
1 18 Solid BCCS - Bare Copper Covered Steel 1.016 Total Number of Conductors: 1 Insulation Material: Insulation Material Insulation Material Duter Shield Dia. (mm) Cas-injected FPE - Foam Polyethylene 4.572 Outer Shield Duter Shield Alterial: Coverage (%) 1 1 Bonded Dudolile Tape IBonded Aluminum Foil-Polyester Tape-Aluminum Foil 100 2 Braid (AL - Aluminum Foil-Polyester Tape-Aluminum Foil 60 0 Outer Jacket Material: Coverage (%) 60 Outer Jacket Material: Event 60 0 Outer Jacket Material: Event 60 0 Outer Jacket Material: Event 60 0 Outer Sheld Material: Event 60 0 0 Outer Sheld Material: Coverage (%) 0 0 0 0 Outer Sheld Material: Coverage Cov	
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EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): 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: UL1666 Vertical Riser	
CSA Flame Test: FT4	

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9116R Coax - CATV Cable

lenum/No	on-Plenum					
Plenum	n (Y/N):		No			
Plenum	n Number:		9116P			
ectrical	Characteristics (Overall)				
	cteristic Impedance:					
Impedan 75.000	ce (Ohm)					
om. Induct	tance:					
Inductan 0.318257	ice (μH/m)					
om. Capac	citance Conductor to Sh	nield:				
Capacita 53.1522	ince (pF/m)					
minal Vel	locity of Propagation:					
VP (%) 83	ioony on ropugation.					
	1e					
ominal Del Delay (ns	-					
3.9372						
	uctor DC Resistance:					
	20°C (Ohm/km)					
91.868						
minal Ou	ter Shield DC Resistan	ce:				
	20°C (Ohm/km)					
29.529						
ax. Attenu	lation:					
	Hz) Attenuation (dB/10	0m)				
5	2.19827					
55	5.2496	_				
211	9.41647					
270	10.6304					
300	11.2538					
350 400	12.2053 13.124	_				
400	13.9771	_				
550	15.4535	_				
750	18.3408	-				
870	19.686	—				
1000	21.4577					
ax. Operat	ting Voltage - UL:					
Voltage						
350 V RM	//S					
inimum St	ructural Return Loss:					
Descripti	ion Freq. (MHz) Start F	req. (MHz) Stop Freq	. (MHz) Min. SRL (dB)			
	5	1000	20			
	et .	1				
weep Tes Sweep	St Testing:		5 MHz - 1 GF	17		
	-		5 WHZ - 1 GF	۱ ۲		
t Ups a	nd Colors:					
u						

Revision Number: 4 Revision Date: 08-10-2012

1.000 FT

1,000 FT

32.000 LB

33.000 LB

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9116R 010U1000

9116R 0101000

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#18 GIFPE SH PVC

#18 GIFPE SH PVC

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9116R Coax - CATV Cable

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