Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9116R Coax - CATV Cable

For more Information please call

1-800-Belden1



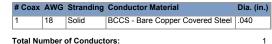
General Description:

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.

Physical Characteristics (Overall)

Conductor

AWG:



Insulation

Insulation Material:

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

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:

UL Flame Test:

CSA Flame Test:

Outer Jacket Material PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.275 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
Bulk Cable Weight:	29 lbs/1000 ft.
Max. Recommended Pulling Tension:	126 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

Yes
No
Yes
Yes
01/01/2004
Yes
Yes
Yes
Yes
Series 6

UL1666 Vertical Riser

FT4

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lenum/Non-Plenum				
Plenum (Y/N):	No			
Plenum Number:	9116P			

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 75.000

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	0.67
55	1.60
211	2.87
270	3.24
300	3.43
350	3.72
400	4.00
450	4.26
550	4.71
750	5.59
870	6.00
1000	6.54

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

Sweep Testing:

5 MHz - 1 GHz

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9116R 010U1000	1,000 FT	32.000 LB	BLACK		#18 GIFPE SH PVC
9116R 0101000	1,000 FT	33.000 LB	BLACK		#18 GIFPE SH PVC

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

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