

For more Information
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1-800-Belden1



General Description:

Video Cable , Riser-CMR, RG6, 18 AWG solid bare copper, foam polyethylene insulation, Duofoil®+85% tinned copper braid, PVC jacket

Usage (Overall)

Suitable Applications: Commercial Video

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	4.318

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duobond® II	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	85.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 5.969 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 43.158 Kg/Km

Max. Recommended Pulling Tension: 284.685 N

Min. Bend Radius/Minor Axis: 59.690 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMR

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):	11/22/2011
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
RG Type:	6/U

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1369P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.347786

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

54.465

Nominal Velocity of Propagation:

VP (%)

84.000

Nominal Delay:

Delay (ns/m)

3.970

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

11.812

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1.000	0.787
3.580	1.444
5.000	1.706
6.000	1.870
7.000	2.001
10.000	2.330
12.000	2.559
25.000	3.543
67.500	5.414

71.500	5.545
88.500	6.103
100.000	6.398
135.000	7.349
143.000	7.546
180.000	8.432
270.000	10.401
360.000	12.107
540.000	15.093
720.000	17.652
750.000	18.046
1000.000	21.064
1500.000	26.215
2000.000	30.743
2250.000	32.843
3000.000	38.650

Max. Operating Voltage - UL:

Voltage
300 V RMS

Other Electrical Characteristic 1: Impedance tested in accordance with ASTM D-4566 paragraph 48.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 1.5 Ohms

Other Electrical Characteristic 2: Return Loss tested in accordance with ASTM D-4566 paragraph 50.3, using a 75 Ohm fixed bridge and termination.

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	3000.000	15.000

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1369R 0021000	1,000 FT	31.000 LB	RED		#18 PE/GIFHDLDPPE SH PVC
1369R 0031000	1,000 FT	31.000 LB	ORANGE		#18 PE/GIFHDLDPPE SH PVC
1369R 0061000	1,000 FT	31.000 LB	BLUE, LIGHT		#18 PE/GIFHDLDPPE SH PVC
1369R 006500	500 FT	16.000 LB	BLUE, LIGHT		#18 PE/GIFHDLDPPE SH PVC
1369R 0081000	1,000 FT	31.000 LB	GRAY		#18 PE/GIFHDLDPPE SH PVC
1369R 0091000	1,000 FT	31.000 LB	WHITE		#18 PE/GIFHDLDPPE SH PVC
1369R 0101000	1,000 FT	31.000 LB	BLACK		#18 PE/GIFHDLDPPE SH PVC

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