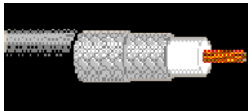


For more Information
please call

1-800-Belden1



Description:

19 AWG stranded (7x27) bare copper conductor, gas-injected foam HDPE insulation, double tinned copper braid shield (99% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	19	7x27	BC - Bare Copper	1.016

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	4.572

Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	TC - Tinned Copper	93
2	Braid	TC - Tinned Copper	93

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 7.010 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 74.410 Kg/Km

Max. Recommended Pulling Tension: 364.752 N

Min. Bend Radius (Install)/Minor Axis: 69.850 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

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
RG Type:	6/U

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only
Suitability - Aerial:	Yes - Black only, when supported by a messenger wire

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1695A

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.347786

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.1522

Nominal Velocity of Propagation:

VP (%)
81

Nominal Delay:

Delay (ns/m)
4.10125

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
27.8885

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
5.5777

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.78744
3.58	1.47645
5	1.77174
7	2.03422
10	2.36232
67.5	6.2339
71.5	6.562
88.5	7.2182
100	7.8744
135	9.1868
143	9.5149
180	10.8273
270	13.124
360	15.4207

540	19.3579
720	22.6389
750	22.967
1000	26.9042
1500	34.1224
2000	40.3563
2250	43.3092
3000	51.1836
4500	64.9638

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Other Electrical Characteristic 1: Impedance tested in accordance with ASTM D-4566 paragraph 43.2, 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 45.3, using a 75 Ohm fixed bridge and termination.

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5	850	20
850	4500	15

Sweep Test

Sweep Testing: 100% Sweep tested 5 MHz to 4.5 GHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1694F B591000	305 MT	24.494 KG	BLACK, MATTE	C	#19 GIFHDLPE DBLB FRPVC
1694F G7V1000	305 MT	24.494 KG	RED, MATTE	C	QLTHLDFHDLPE DBLB FRPVC
1694F G7W1000	305 MT	24.494 KG	GREEN, MATTE	C	#19 GIFHDLPE DBLB FRPVC
1694F G7X1000	305 MT	24.494 KG	BLUE, MATTE	C	#19 GIFHDLPE DBLB FRPVC
1694F G7Y1000	305 MT	24.494 KG	WHITE, MATTE	C	#19 GIFHDLPE DBLB FRPVC
1694F G8L1000	305 MT	24.494 KG	ORANGE, MATTE	C	#19 GIFHDLPE DBLB FRPVC
1694F G8M1000	305 MT	24.494 KG	YELLOW, MATTE	C	#19 GIFHDLPE DBLB FRPVC
1694F Z4B1000	305 MT	24.494 KG	VIO Z4B	C	#19 GIFHDLPE DBLB FRPVC

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 10 Revision Date: 01-15-2008

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