



For more Information
please call

1-800-Belden1



Description:

20 AWG solid bare copper conductor, foam polyethylene insulation, bare copper braid shield, PVC jacket, sequential footage marking every two feet.

Usage (Overall)

Suitable Applications: Analog Video/CCTV Coax.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	Solid	BC - Bare Copper	0.8128

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	3.683

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 5.893 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: 253.547 N

Min. Bend Radius (Install)/Minor Axis: 63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

NEC Articles: 800

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:	59/U
Series Type:	Series 59

Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
C(UL) Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only.
Suitability - Aerial:	Yes - Black only.

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.4803

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/m)
3.97001

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
32.81

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
10.827

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
5	2.13265
10	2.9529
50	6.2339
100	8.5306
200	11.8116
400	16.405
700	22.967
900	26.248

METRIC MEASUREMENT VERSION

543945 Coax - Surveillance and CCTV Applications

1000	27.8885
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Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
5.000	2.461
50.000	7.054

Max. Operating Voltage - UL:

Voltage
300 V RMS

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
543945 009U1000	305 MT	14.061 KG	WHITE		RG-59/U COAX
543945 009U500	152 MT	7.258 KG	WHITE		RG-59/U COAX
543945 0091000	305 MT	14.969 KG	WHITE	C	RG-59/U COAX
543945 009500	152 MT	7.258 KG	WHITE		RG-59/U COAX
543945 010U1000	305 MT	14.061 KG	BLACK		RG-59/U COAX
543945 010U500	152 MT	7.258 KG	BLACK		RG-59/U COAX
543945 0101000	305 MT	14.969 KG	BLACK	C	RG-59/U COAX
543945 010500	152 MT	7.258 KG	BLACK	C	RG-59/U COAX

Notes:

C = CRATE REEL PUT-UP.

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