

For more Information
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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

543945 Coax - Surveillance and CCTV Applications

EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	59/U
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Series Type:	Series 59
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Flame Test

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

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes - Black only.
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Suitability - Aerial:	Yes - Black only.
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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)
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1	0.9843
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5	2.13265
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10	2.9529
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50	6.2339
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100	8.5306
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200	11.8116
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400	16.405
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700	22.967
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900	26.248
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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 009I1000	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 010I1000	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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