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1-800-Belden1



General Description:

22 AWG stranded (19x34) bare copper conductor, foam polyethylene insulation, tinned copper "French Braid" shield (95% coverage), Belflex jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	19x34	BC - Bare Copper	0.7874

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	3.7084

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
French Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Belflex®	PVC Blend - Polyvinyl Chloride Blend

Overall Cable

Overall Nominal Diameter: 6.147 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Bulk Cable Weight: 44.646 Kg/Km

Max. Recommended Pulling Tension: 169.032 N

Min. Bend Radius/Minor Axis: 63.500 mm

Min. Bend Radius (Continuous Flexing): 127 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification: UL Style 1354

CSA Specification: AWM I/II A/B

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 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

Flame Test

C(UL) Flame Test:	FT1
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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)

59.058

Nominal Velocity of Propagation:

VP (%)

79

Nominal Delay:

Delay (ns/m)

4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

43.9654

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

Nom. Attenuation:

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

2.2	1.3124
5	1.6405
10	2.6248
30	4.5934
50	5.9058
100	8.8587

Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 1354)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7502A G7X1000	1,000 FT	34.000 LB	BLUE, MATTE	C Z	#22 LDHDFPE BRD PVC
7502A G7X250	250 FT	10.500 LB	BLUE, MATTE	C Z	#22 LDHDFPE BRD PVC
7502A G7X500	500 FT	17.000 LB	BLUE, MATTE	C Z	#22 LDHDFPE BRD PVC

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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