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1-800-Belden1



Description:

22 AWG stranded (7x30) .030" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	7x30	BC - Bare Copper	0.762

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 6.147 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	49.111 Kg/Km
Max. Recommended Pulling Tension:	289.133 N
Min. Bend Radius (Install)/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark:	No
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

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

8241F Coax - 75 Ohm Coax

RG Type: 59/U

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (μH/m)

0.29529

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

56.7613

Nominal Velocity of Propagation:

VP (%)

78

Nominal Delay:

Delay (ns/m)

4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

8.5306

Nom. Attenuation:

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

1 0.9843

10 2.9529

50 6.8901

100 9.843

200 14.7645

400 21.6546

700 29.2009

900 33.1381

1000 35.7629

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Misc. Information (Overall)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8241F G7V1000	305 MT	16.329 KG	RED, MATTE		#22 FPE BRD PVC
8241F G7W1000	305 MT	16.329 KG	GREEN, MATTE		#22 FPE BRD PVC
8241F G7X1000	305 MT	16.329 KG	BLUE, MATTE		#22 FPE BRD PVC
8241F G7Y1000	305 MT	16.329 KG	WHITE, MATTE		#22 FPE BRD PVC
8241F G8M1000	305 MT	16.329 KG	YELLOW, MATTE	C	#22 FPE BRD PVC
8241F J5C1000	305 MT	16.329 KG	BLACK, VIVID MATTE	C	#22 FPE BRD PVC

METRIC MEASUREMENT VERSION

8241F Coax - 75 Ohm Coax

8241F U901000	305 MT	16.329 KG	GRAY, MATTE		#22 FEP BRD PVC
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Notes:

C = CRATE REEL PUT-UP.

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