

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8241F Coax - 75 Ohm Coax



For more Information
please call

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. (in.)
1	22	7x30		BC - Bare Copper	.030

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.146

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 Cable

Overall Nominal Diameter: 0.242 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 33 lbs/1000 ft.

Max. Recommended Pulling Tension: 65 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.500 in.

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

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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 (μ H/ft)
.09

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.3

Nominal Velocity of Propagation:

VP (%)
78

Nominal Delay:

Delay (ns/ft)
1.3

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.6

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.3
10	.9
50	2.1
100	3.0
200	4.5
400	6.6
700	8.9
900	10.1
1000	10.9

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Misc. Information (Overall)

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8241F G7V1000	1,000 FT	36.000 LB	RED, MATTE		#22 FPE BRD PVC
8241F G7W1000	1,000 FT	36.000 LB	GREEN, MATTE		#22 FPE BRD PVC
8241F G7X1000	1,000 FT	36.000 LB	BLUE, MATTE		#22 FPE BRD PVC

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8241F G7Y1000	1,000 FT	36.000 LB	WHITE, MATTE		#22 FPE BRD PVC
8241F G8M1000	1,000 FT	36.000 LB	YELLOW, MATTE	C	#22 FPE BRD PVC
8241F J5C1000	1,000 FT	36.000 LB	BLACK, VIVID MATTE	C	#22 FPE BRD PVC
8241F U901000	1,000 FT	36.000 LB	GRAY, MATTE		#22 FEP BRD PVC

Notes:

C = CRATE REEL PUT-UP.

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