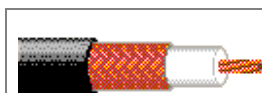


8241F Coax - 75 Ohm Coax



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	0.030

Insulation:

Insulation Material

Ins Material	Dia. (in.)
FPE - Foam Polyethylene	0.146

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 Cabling:

Overall Nominal Diameter: .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): 2.500 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

EU CE Mark (Y/N) No

EU RoHS Compliant (Y/N) Yes

EU RoHS Compliance Date (mm/dd/yyyy) 01/01/2004

RG Type 59/U

Suitability:

Suitability - Indoor Yes

Plenum/Non-Plenum:

Plenum (Y/N) N

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
75.000

Nom. Inductance

Inductance (µH/ft)
0.090

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
17.300

Nominal Velocity of Propagation

VP (%)
78

Nominal Delay

Delay (ns/ft)
1.300

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
15.000

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.300
	10.000			0.900
	50.000			2.100
	100.000			3.000
	200.000			4.500
	400.000			6.600
	700.000			8.900
	900.000			10.100
	1000.000			10.900

Max. Operating Voltage - Non-UL

Voltage
300 V RMS

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
2.600

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
8241F G7V1000	1,000 FT	36.000 LB	RED, MATTE		#22 FPE BRD PVC REDMTT
8241F G7W1000	1,000 FT	36.000 LB	GREEN, MATTE		#22 FPE BRD PVC GRNMTT
8241F G7X1000	1,000 FT	36.000 LB	BLUE, MATTE		#22 FPE BRD PVC BLUMTT
8241F G7Y1000	1,000 FT	36.000 LB	WHITE, MATTE		#22 FPE BRD PVC WHTMTT
8241F G8M1000	1,000 FT	36.000 LB	YELLOW, MATTE	C	#22 FPE BRD PVC YELMTT
8241F J5C1000	1,000 FT	36.000 LB	BLACK, VIVID MATTE	C	#22 FPE BRD PVC BLKVIVMAT
8241F U901000	1,000 FT	36.000 LB	GRAY, MATTE		#22 FEP BRD PVC GRYMTT

Notes:

C = CRATE REEL PUT-UP.

© 2007 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory; and China Ministry of Information Industry order#39 (China RoHS). EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.