



8241F Coax - 75 Ohm Coax

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	59/U
AWG	22
Stranding	7x30
Conductor Diameter	.030 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	FPE - Foam Polyethylene
Insulation Diameter	.146 in.

OUTER SHIELD:

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

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.242 in.
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MECHANICAL CHARACTERISTICS:

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)	2.5 in.



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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

SUITABILITY:

Suitability - Indoor	Yes
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.09 μ H/ft
Nom. Capacitance Conductor to Shield	17.3 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.3 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	15 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	2.6 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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	300 V RMS
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8241F G7V1000	#22 FPE BRD PVC	1000	35	RED, MATTE	
8241F G7W1000	#22 FPE BRD PVC	1000	35	GREEN, MATTE	
8241F G7X1000	#22 FPE BRD PVC	1000	35	BLUE, MATTE	
8241F G7Y1000	#22 FPE BRD PVC	1000	35	WHITE, MATTE	



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8241F G8M1000	#22 FPE BRD PVC	1000	35	YELLOW, MATTE	C
8241F J5C1000	#22 FPE BRD PVC	1000	35	BLACK, VIVID MATTE	C
8241F U901000	#22 FEP BRD PVC	1000	35	GRAY, MATTE	

C = CRATE REEL PUT-UP.

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