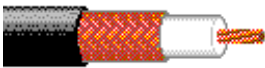



## 8241F Coax - 75 Ohm Coax

 	<p><b>Metric Version</b> For more information please call <b>1-800-Belden1</b></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	0.762 mm
Conductor Material	BC - Bare Copper

#### INSULATION:

Insulation Material	FPE - Foam Polyethylene
Insulation Diameter	3.708 mm

#### 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	6.147 mm
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### MECHANICAL CHARACTERISTICS:

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)	63.5 mm

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

## 8241F Coax - 75 Ohm Coax

### 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	0.295 $\mu$ H/m
Nom. Capacitance Conductor to Shield	56.761 pF/m
Nominal Velocity of Propagation	78 %
Nominal Delay	4.265 ns/m
Nom. Conductor DC Resistance @ 20 Deg. C	49.215 Ohms/km
Nominal Outer Shield DC Resistance @ 20 Deg.C	8.531 Ohms/km

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100m)
	1			0.984
	10			2.953
	50			6.89
	100			9.843
	200			14.764
	400			21.655
	700			29.201
	900			33.138
	1000			35.763

Max. Operating Voltage - Non-UL 300 V RMS

### PUT-UPS AND COLORS:

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
8241F G7V1000	#22 FPE BRD PVC	304.8	15.89	RED, MATTE	
8241F G7W1000	#22 FPE BRD PVC	304.8	15.89	GREEN, MATTE	
8241F G7X1000	#22 FPE BRD PVC	304.8	15.89	BLUE, MATTE	
8241F G7Y1000	#22 FPE BRD PVC	304.8	15.89	WHITE, MATTE	
8241F G8M1000	#22 FPE BRD PVC	304.8	15.89	YELLOW, MATTE	C

## 8241F Coax - 75 Ohm Coax

8241F J5C1000	#22 FPE BRD PVC	304.8	15.89	BLACK, VIVID MATTE	C
8241F U901000	#22 FEP BRD PVC	304.8	15.89	GRAY, MATTE	

C = CRATE REEL PUT-UP.

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