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1-800-Belden1



## General 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

Total Number of Conductors: 1

### 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 Cable

Overall Nominal Diameter: 6.121 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/Minor Axis: 63.500 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

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

MIL Order #39 (China RoHS): Yes

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	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
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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