# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



### 9244 Coax - 75 Ohm Coax

For more Information please call

1-800-Belden1



### **Description:**

22 AWG solid bare copper-covered steel conductor, polyehtylene insulation, bare copper braid shield (85% coverage), PVC jacket.

### **Physical Characteristics (Overall)**

### Conductor

### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	Solid	BCCS - Bare Copper Covered Steel	0.635

### Insulation

### **Insulation Material:**

Insulation Material Dia. (mm)
PE - Polyethylene 3.7084

### **Outer Shield**

### **Outer Shield Material:**

	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	85

### **Outer Jacket**

### **Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

### **Overall Cabling**

Overall Nominal Diameter: 6.147 mm

# Mechanical Characteristics (Overall) Operating Temperature Range: -40°C To +80°C Non-UL Temperature Rating: 80°C Bulk Cable Weight: 49.111 Kg/Km Max. Recommended Pulling Tension: 298.029 N

63.500 mm

# **Applicable Specifications and Agency Compliance (Overall)**

## Applicable Standards & Environmental Programs

Min. Bend Radius (Install)/Minor Axis:

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 1354 (30 V 80°C)
EU CE Mark:	Yes
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

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EU Directive 2003/11/EC (BFR):	Yes	
CA Prop 65 (CJ for Wire & Cable):	Yes	
MII Order #39 (China RoHS):	Yes	
RG Type:	59/U	
Flame Test		
UL Flame Test:	VW-1	
Suitability		
Suitability - Indoor:	Yes	
Suitability - Outdoor:	Yes	
Plenum/Non-Plenum		
Plenum (Y/N):	No	

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



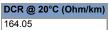
Nominal Velocity of Propagation:



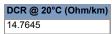
**Nominal Delay:** 



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
10	3.6091
50	7.8744
100	11.1554
200	16.0769
400	22.967
700	31.8257
900	36.4191
1000	39.372

### Nom. Power Rating:

Freq. (MHz)	Rating (W)
50	470
100	310
300	160
500	115
1000	76

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Max. Operating Voltage - UL:

150 V RMS

Max. Operating Voltage - Non-UL:

Voltage 1700 V RMS

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	450	23

### **Related Documents:**

No related documents are available for this product

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9244 010U1000	305 MT	15.876 KG	BLACK		RG-59/U TYPE COAX
9244 010U500	152 MT	8.165 KG	BLACK		RG-59/U TYPE COAX
9244 0101000	305 MT	16.329 KG	BLACK		RG-59/U TYPE COAX

Revision Number: 3 Revision Date: 05-14-2007

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