# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



9169 Coax - 93 Ohm Coax





For more Information please call

1-800-Belden1



## **General Description:**

93 ohm, 22 AWG solid .025" bare copper-covered steel conductor, semi-solid polyethylene insulation, BC outer braid/TC inner braid shield (95% coverage), polyethylene jacket.

## **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

	# Coax AWG Stranding		Stranding	Conductor Material	Dia. (in.)
1	1	22	Solid	BCCS - Bare Copper Covered Steel	.025

Total Number of Conductors:

#### Insulation

#### **Insulation Material:**

Insulation Material	Dia. (in.)
Semi-Solid PE - Semi-Solid Polyethylene	.146

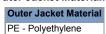
#### **Outer Shield**

## **Outer Shield Material:**

Layer # Type		Outer Shield Material	Coverage (%)	
1 Braid		BC - Bare Copper	95	
2	Braid	TC - Tinned Copper	95	

## **Outer Jacket**

## Outer Jacket Material:



### **Overall Cable**

Overall Nominal Diameter: 0.245 in.

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-55°C To +80°C
Non-UL Temperature Rating:	85°C
Bulk Cable Weight:	42 lbs/1000 ft.
Max. Recommended Pulling Tension:	128 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

# **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

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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
	Military Specification:	MIL-C-17, M17/90-RG71, QPL
	RG Type:	71/U
Ple	enum/Non-Plenum	
	Plenum (Y/N):	No

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance	(Ohm)
93	

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



**Nominal Velocity of Propagation:** 



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C	(Ohm/1000	ft)
41.2		

**Nominal Outer Shield DC Resistance:** 

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DCR @ 20°C (Ohm/1000 ft)
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Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.3
10	.9
50	1.9
100	2.7
200	3.8
400	5.3
700	7.3
900	8.2
1000	8.7

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc

Revision Number: 2 Revision Date: 03-30-2012

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