# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



## 9259 Coax - 75 Ohm Coax

For more Information please call

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	<b>Conductor Material</b>	Dia. (mm)
1	22	7x30	BC - Bare Copper	0.762

Total Number of Conductors:

#### 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:	-40°C To +80°C		
Non-UL Temperature Rating:	80°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**

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 1354
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes

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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			
MII Order #39 (China RoHS):	Yes			
RG Type:	59/U			
Flame Test				
UL Flame Test:	UL1685 UL Loading			
Suitability				
Suitability - Indoor:	Yes			
Plenum/Non-Plenum				
Plenum (Y/N):	No			
Plenum Number:	89259 or 82259			

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



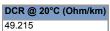
Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 8.5306

## Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
5	2.13265
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 - UL:

Voltage					
300	٧	RMS			

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## **Notes (Overall)**

Notes: For CCTV Applications.

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9259 010U1000	1,000 FT	35.000 LB	BLACK		#22 PE RG 59/U TYPE
9259 010U500	500 FT	18.000 LB	BLACK		#22 PE RG 59/U TYPE
9259 010100	100 FT	4.100 LB	BLACK		#22 PE RG 59/U TYPE
9259 0101000	1,000 FT	37.000 LB	BLACK	С	#22 PE RG 59/U TYPE
9259 0101200	1,200 FT	0.000	BLACK		#22 PE RG 59/U TYPE
9259 0101500	1,500 FT	54.000 LB	BLACK		#22 PE RG 59/U TYPE
9259 010500	500 FT	18.500 LB	BLACK	С	#22 PE RG 59/U TYPE
9259 0105000	5,000 FT	180.000 LB	BLACK	С	#22 PE RG 59/U TYPE

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-29-2013

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