Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9209 Coax - Miniature

For more Information please call

1-800-Belden1



General Description:

23 AWG solid .022" bare copper conductor, polyethylene insulation, Duofoil® + tinned copper braid shield (95% coverage), polyethylene jacket.

Physical Characteristics (Overall)

Conductor

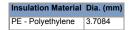
AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	23	Solid	BC - Bare Copper	0.5588

Total Number of Conductors:

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:

Layer # Outer Shield Trade Name		Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Таре	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

Suitability - Outdoor:

Overall Cable

Overall Nominal Diameter: 5.588 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-55°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	40.181 Kg/Km
Max. Recommended Pulling Tension:	191.273 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
MII Order #39 (China RoHS):	Yes
RG Type:	59/U
Suitability	
Suitability - Indoor:	Yes

Yes

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	Suitability - Aerial:	Yes - When supported by a messenger wire			
Ple	num/Non-Plenum				
	Plenum (Y/N):	No			

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m) 0.387158

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m) 68.901

Nominal Velocity of Propagation:

VP (%)

Nominal Delay:

Delay (ns/m) 5.11836

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 66.9324

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 14.7645

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.3124
3.58	1.6405
5	2.75604
7	3.21538
10.0	3.83877
67.5	9.35085
71.5	9.5149
100	10.9914
135	12.96
143	13.2881
180	14.9286
270	18.3736
360	21.4905
540	27.2323
720	31.6617
750	32.4819
1000	38.0596

Max. Operating Voltage - Non-UL:

Voltage 2300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance w/ASTM D-4566 para 43.2 opt 2 using a 75 Ohm fixed bridge&termination.

Other Electrical Characteristic 2:

Return loss tested in accordance w/ASTM D-4566 para 45.3 using a 75 Ohm fixed bridge&termination.

Minimum Structural Return Loss:

	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
ſ	5.000	216.000	27.000
ſ	216.000	850.000	23.000

Sweep Test

Sweep Testing: 100% Sweep tested 5 MHz to 850 MHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9209 010U1000	1,000 FT	29.000 LB	BLACK		75 OHM MINI VIDEO CABLE
9209 010U500	500 FT	15.000 LB	BLACK		75 OHM MINI VIDEO CABLE

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Revision Number: 2 Revision Date: 09-30-2009

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