

9221 Coax - 75 Ohm Miniature Coax



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

30 AWG stranded (7x38) .012" tinned copper conductor, foam HDPE insulation, tinned copper braid shield (89% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
AWG	30
Stranding	7x38
Conductor Diameter	.012 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FHDPE - Foam High Density Polyethylene
Insulation Diameter	.058 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield % Coverage	89 %

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.097 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +60°C
UL Temperature Rating	60°C (UL AWM Style 1375)
Bulk Cable Weight	5.84 lbs/1000 ft.
Max. Recommended Pulling Tension	14 lbs.
Min. Bend Radius (Install)	1 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

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AWM Specification	UL Style 1375 (30 V 60°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.097 µH/ft
Nom. Capacitance Conductor to Shield	17.3 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.3 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	100 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	11.65 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.7
	3.6			1.3
	5			1.6
	7			1.9
	9			2.1
	10			2.2
	50			5.1
	70			6.1
	100			7.3
	200			10.5
	400			15.5
	700			21.5
	900			24.8
	1000			26.6

Max. Operating Voltage - UL 30 V RMS (UL AWM Style 1375)

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9221 010100	75 OHM MINIATURE COAX	100	1.5	BLACK	

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9221 010500	75 OHM MINIATURE COAX	500	4	BLACK	
9221 010U500	75 OHM MINIATURE COAX	U500	4	BLACK	

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