

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

9252 Coax - 50 Ohm Coax



For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (27x36) .030" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), non-contaminating PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

#	Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1		22	27x36	TC - Tinned Copper	0.762

Total Number of Conductors:

1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	2.4384

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

Overall Cable

Overall Nominal Diameter:

4.064 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:

-40°C To +80°C

UL Temperature Rating:

80°C

Bulk Cable Weight:

26.788 Kg/Km

Max. Recommended Pulling Tension:

169.032 N

Min. Bend Radius/Minor Axis:

44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:

CMX

CEC/C(UL) Specification:

CMX

AWM Specification:

UL Style 1354 (30 V 80°C)

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):	10/01/2005
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
Military Specification:	MIL-C-17 M17/157, MIL-DTL-17 M17/54
RG Type:	122/U

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (μ H/m)
0.252637

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
101.055

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
56.1051

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
17.0612

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.3124
10	5.5777
50	14.7645
100	22.967
200	36.091
400	54.1365
700	77.1035
900	89.5713
1000	95.149

Max. Operating Voltage - UL:

Voltage
300 V RMS (CMX)
30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL:

Voltage
1100 V RMS

Max. Operating Voltage - Other:

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Voltage	Description
Military Specification	1400 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9252 0101000	1,000 FT	20.000 LB	BLACK		M17/157-00001 COAX

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).