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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

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 (µH/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:

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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