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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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