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1-800-Belden1



## General Description:

30 AWG stranded (7x38) .012" tinned copper conductor, foam HDPE insulation, tinned copper braid shield (90% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	30	7x38	TC - Tinned Copper	0.3048

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	1.4732

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	90.000

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 2.464 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 1375)
Bulk Cable Weight:	8.929 Kg/Km
Max. Recommended Pulling Tension:	62.275 N
Min. Bend Radius/Minor Axis:	6.350 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

AWM Specification:	UL Style 1375 (30 V 60°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):	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
MIL Order #39 (China RoHS):	Yes

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**  
75

**Nom. Inductance:**

**Inductance (µH/m)**  
0.318257

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/m)**  
56.7613

**Nominal Velocity of Propagation:**

**VP (%)**  
78

**Nominal Delay:**

**Delay (ns/m)**  
4.2653

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/km)**  
328.1

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/km)**  
38.2236

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1	2.2967
3.6	4.2653
5	5.2496
7	6.2339
9	6.8901
10	7.2182
50	16.7331
70	20.0141
100	23.9513
200	34.4505
400	50.8555
700	70.5415
900	81.3688
1000	87.2746

**Max. Operating Voltage - UL:**

**Voltage**  
30 V RMS (UL AWM Style 1375)

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9221 010U500	500 FT	4.000 LB	BLACK		75 OHM MINIATURE COAX
9221 010100	100 FT	1.400 LB	BLACK		75 OHM MINIATURE COAX
9221 010500	500 FT	4.000 LB	BLACK		75 OHM MINIATURE COAX

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