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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
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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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)
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1	2.2967
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3.6	4.2653
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5	5.2496
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7	6.2339
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9	6.8901
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10	7.2182
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50	16.7331
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70	20.0141
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100	23.9513
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200	34.4505
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400	50.8555
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700	70.5415
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900	81.3688
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1000	87.2746
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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	152 MT	1.814 KG	BLACK		75 OHM MINIATURE COAX
9221 010100	30 MT	0.635 KG	BLACK		75 OHM MINIATURE COAX
9221 010500	152 MT	1.814 KG	BLACK		75 OHM MINIATURE COAX

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