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1-800-Belden1



### General Description:

27 AWG stranded (7x35) .017" bare copper-covered steel conductor, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	27	7x35	BCCS - Bare Copper Covered Steel	0.4318

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	2.54

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95.000

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 3.810 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	20.835 Kg/Km
Max. Recommended Pulling Tension:	142.342 N
Min. Bend Radius/Minor Axis:	38.100 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

AWM Specification:	UL Style 1354 (30 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
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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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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75
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**Nom. Inductance:**

Inductance (µH/m)
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0.377315
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)
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67.2605
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**Nominal Velocity of Propagation:**

VP (%)
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66
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**Nominal Delay:**

Delay (ns/m)
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5.05274
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
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393.72
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
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18.7017
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
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1	3.9372
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10	7.8744
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50	13.7802
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100	18.7017
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200	27.2323
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400	39.7001
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700	54.1365
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900	62.339
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1000	65.62
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**Max. Operating Voltage - UL:**

Voltage
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30 V RMS (UL AWM Style 1354)
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**Max. Operating Voltage - Non-UL:**

Voltage
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1700 V RMS
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**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8218 010U1000	1,000 FT	16.000 LB	BLACK		75 OHM COAX
8218 010U500	500 FT	8.500 LB	BLACK		75 OHM COAX
8218 010I1000	1,000 FT	16.000 LB	BLACK	C	75 OHM COAX
8218 010500	500 FT	8.000 LB	BLACK		75 OHM COAX

**Notes:**

C = CRATE REEL PUT-UP.

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