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please call

1-800-Belden1



## General Description:

30 AWG stranded (7x38) tinned cadmium bronze conductor, foam polyethylene insulation, tinned copper "French Braid" shield (95% coverage), Belflex® jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

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

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	1.4224

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
French Braid	TC - Tinned Copper	95

### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Belflex®	PVC Blend - Polyvinyl Chloride Blend

### Overall Cable

Overall Nominal Diameter: 2.794 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Bulk Cable Weight: 10.417 Kg/Km

Max. Recommended Pulling Tension: 62.275 N

Min. Bend Radius/Minor Axis: 27.940 mm

Min. Bend Radius (Continuous Flexing): 55.880 mm

Flex Cycle Rating: 1 Million

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

AWM Specification: UL Style 1354

CSA Specification: AWM I/II A/B

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

### Flame Test

C(UL) Flame Test: FT1

## METRIC MEASUREMENT VERSION

### 7500A Coax - 75 Ohm Flex Vision Coax Cable

#### 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)**  
54.7927

##### Nominal Velocity of Propagation:

**VP (%)**  
78

##### Nominal Delay:

**Delay (ns/m)**  
4.2653

##### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**  
354.348

##### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/km)**  
43.6373

##### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
2.2	2.9529
5	4.5934
10	6.562
30	11.1554
50	14.4364
100	20.9984

##### Max. Operating Voltage - UL:

**Voltage**  
30 V RMS (UL AWM Style 1354)

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7500A G7X1000	1,000 FT	9.000 LB	BLUE, MATTE	Z	#30 LDHDFPE BRD PVC

##### Notes:

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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