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1-800-Belden1



## Description:

75 ohm, 30 AWG stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (95% coverage), TFE tape jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	30	7x38	SPCCS - Silver Plated Copper Covered Steel	0.3048

### Insulation

#### Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	1.6002

### Outer Shield

#### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	95

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Teflon®	TFE - Tetrafluoroethylene

### Overall Cabling

Overall Nominal Diameter: 2.616 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 16.370 Kg/Km

Max. Recommended Pulling Tension: 80.068 N

Min. Bend Radius (Install)/Minor Axis: 25.400 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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): 04/01/2005

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-17D

RG Type: 187A/U

### Flame Test

UL Flame Test: VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

### Nom. Inductance:

Inductance (µH/m)
0.3281

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
63.9795

### Nominal Velocity of Propagation:

VP (%)
69.5

### Nominal Delay:

Delay (ns/m)
4.72464

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
800.564

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
28.2166

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	9.843
10	17.3893
50	27.8885
100	32.81
200	41.0125
400	52.496
700	64.6357
900	73.1663
1000	78.744

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

Voltage
900 V RMS

## Notes (Overall)

**Notes:** Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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## METRIC MEASUREMENT VERSION

### 83267 Coax - 75 Ohm Coax

83267 009100	30 MT	0.862 KG	WHITE	E	#30 COAX RG-187A/U
83267 0091000	305 MT	4.990 KG	WHITE	E	#30 COAX RG-187A/U

**Notes:**

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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