

For more Information
please call

1-800-Belden1



Description:

30 awg stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (94% coverage), FEP 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	1.5748

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	94.2

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cabling

Overall Nominal Diameter: 2.540 mm

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 14.882 Kg/Km

Max. Recommended Pulling Tension: 84.516 N

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

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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): 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:	M17/94-RG179
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RG Type:	179/U
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Flame Test

UL Flame Test:	VW-1
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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)
0.3281

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
63.9795

Nominal Velocity of Propagation:

VP (%)
69.5

Nominal Delay:

Delay (ns/m)
4.5934

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
800.564

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
27.8885

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. Power Rating:

Freq. (MHz)
1
10
50
100
200
400
700
900
1000

Max. Operating Voltage - Non-UL:

Voltage

900 V RMS (MIL-SPEC)

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
83264 001100	30 MT	0.499 KG	BROWN	E	30 COAX M17/94-RG179
83264 0011000	305 MT	4.990 KG	BROWN	C E	#30 COAX M17/94-RG179
83264 001500	152 MT	2.722 KG	BROWN	E	#30 COAX M17/94-RG179

Notes:

C = CRATE REEL PUT-UP.

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

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