

83264 Coax - 75 Ohm Coax

 For more Information
 please call

1-800-Belden1

**General Description:**

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

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	30	7x38	SPCCS - Silver Plated Copper Covered Steel	.012

Total Number of Conductors: 1

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	TFE - Tetrafluoroethylene	.062

Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	95.000

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 0.100 in.

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 10 lbs/1000 ft.

Max. Recommended Pulling Tension: 19 lbs.

Min. Bend Radius/Minor Axis: 1 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

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): 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-DTL-17H, M17/94-RG179
RG Type:	179/U

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/ft)

.10

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

19.5

Nominal Velocity of Propagation:

VP (%)

69.5

Nominal Delay:

Delay (ns/ft)

1.4

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

244.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.5

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	3.0
10	5.3
50	8.5
100	10.0
200	12.5
400	16.0
700	19.7
900	22.3
1000	24.0

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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83264 001100	100 FT	1.100 LB	BROWN	E	30 COAX M17/94-RG179
83264 0011000	1,000 FT	11.000 LB	BROWN	C E	#30 COAX M17/94-RG179
83264 001500	500 FT	6.000 LB	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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