

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
-------------------------	--------------

RG Type:	179/U
----------	-------

Flame Test

UL Flame Test:	VW-1
----------------	------

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

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'

Revision Number: 3 Revision Date: 05-14-2007

© 2011 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.