

83264 Coax - 75 Ohm Coax

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
--	---

Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	179/U
AWG	30
Stranding	7x38
Conductor Diameter	.012 in.
Conductor Material	SPCCS - Silver Plated Copper Covered Steel

INSULATION:

Insulation Material Trade Name	PTFE
Insulation Material	TFE - Tetrafluoroethylene
Insulation Diameter	.062 in.

OUTER SHIELD:

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

OUTER JACKET:

Outer Jacket Material	FEP - Fluorinated Ethylene Propylene
-----------------------	--------------------------------------

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.100 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

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 (Install)	1 in.

83264 Coax - 75 Ohm Coax

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
Military Specification	M17/94-RG179

FLAME TEST:

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

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
--------------	---

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.10 μ H/ft
Nom. Capacitance Conductor to Shield	19.5 pF/ft
Nominal Velocity of Propagation	69.5 %
Nominal Delay	1.4 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	244.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	8.5 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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 :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
	1			
	10			
	50			1250
	100			865
	200			599
	400			415
	700			308
	900			270
	1000			255

83264 Coax - 75 Ohm Coax

Max. Operating Voltage - Non-UL 900 V RMS (MIL-SPEC)

NOTES:

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

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
83264 001100	30 COAX M17/94- RG179	100	1.1	BROWN	E
83264 0011000	#30 COAX M17/94- RG179	1000	11	BROWN	C E
83264 001500	#30 COAX M17/94- RG179	500	6	BROWN	E

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: 07-15-2005

© Copyright 2006 Belden, Inc
All Rights Reserved.

Although Belden ("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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003);Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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.