

83264 Coax - 75 Ohm Coax

  	For more information please call 1-800-Belden1 <u>See Put-ups and Colors</u>
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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
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.100 in.
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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.

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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
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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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

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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'

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