

83265 Coax - 50 Ohm Coax

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

30 AWG stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE PTFE insulation, silver-plated copper braid shield (96% coverage), FEP jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	178B/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	.033 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	SPC - Silver Plated Copper
Outer Shield % Coverage	96 %

OUTER JACKET:

Outer Jacket Material	FEP - Fluorinated Ethylene Propylene
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.071 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Non-UL Temperature Rating	200°C
Bulk Cable Weight	6 lbs/1000 ft.
Max. Recommended Pulling Tension	12 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	M17/169-00001

FLAME TEST:

UL Flame Test	UL1685 UL Loading, VW-1
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.072 μ H/ft
Nom. Capacitance Conductor to Shield	29.0 pF/ft
Nominal Velocity of Propagation	69.5 %
Nominal Delay	1.46 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	244.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	14.6 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			2.6
	10			5.6
	50			10.5
	100			14.0
	200			19.0
	400			28.0
	700			37.0
	900			42.5
	1000			46.0

Nom. Power Rating :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Power Rating (W)
	50			380
	100			253
	200			170
	400			113
	700			81
	900			70
	1000			66

Max. Operating Voltage - Other :

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Other Voltage	Description
Military Specification	750 V RMS

NOTES:

Notes	PTFE is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
83265 009100	#30 COAX RG-178B/U	100	0.8	WHITE	E
83265 0091000	#30 COAX RG-178B/U	1000	6	WHITE	E
83265 009500	#30 COAX RG-178B/U	500	3.5	WHITE	E

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

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