

83265

Part Number: 83265



Product Description

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

Product Specifications

Conductor

Total Number of Conductors:

1

Technical Specifications

APAC Standard

Mil Order #39 (China RoHS):

Yes

Bend Radius

Min Bend Radius/Minor Axis:

1 in

CCB-Part Number

Notes:

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

CCB-Sub-Part Number

Plenum (Y/N):

No

Contact Information

PHONE_NUM:

1-800-Belden1

EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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Environmental Characteristics

Operating Temp Range:	-70°C To +200°C
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EU Directive

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
Military Specification:	MIL-C-17, M17/93-RG178
Other Specification:	UL Style 1637
RG Type:	178B/U

Temperature Range

Non-UL Temp Rating:	200°C
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Use

Max Recommended Pulling Tension:	12 lbs
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Impedance:

Nominal Characteristic Impedance

50 Ohm

Inductance:

Nominal Inductance

0.072 μ H/ft

Conductor DCR:

Nominal Conductor DCR

244 Ohm/1000ft

Nominal Outer Shield DCR

14.6 Ohm/1000ft

Power Rating:

Frequency [MHz]	Nominal Power Rating [W]
50 MHz	380 W
100 MHz	253 W
200 MHz	170 W
400 MHz	113 W
700 MHz	81 W
900 MHz	70 W
1,000 MHz	66 W

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP)
1.46 ns/ft	69.5 %

Voltage:

Description	Voltage Rating
750V RMS	Military Specification dB

Capacitance:

Nominal Capacitance Conductor to Shield
29 pF/ft

High Frequency (Nominal/Typical):

Frequency (MHz)	Nom. Insertion Loss
1 MHz	2.6 db/100ft
10 MHz	5.6 db/100ft
50 MHz	10.5 db/100ft
100 MHz	14 db/100ft
200 MHz	19 db/100ft
400 MHz	28 db/100ft
700 MHz	37 db/100ft
900 MHz	42.5 db/100ft
1000 MHz	46 db/100ft

Insulation:

Material	Material Trade Name	Nominal Diameter
TFE - Tetrafluoroethylene	Teflon®	0.033 in

Outerjacket 1:

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.071 in

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	7x38	SPCCS - Silver Plated Copper Covered Steel	0.012 in	1

Outershield 1:

Type	Material	Coverage
Braid	SPC - Silver Plated Copper	95 %

Product Variants

Part Number	Color	Put-Up Type	Length
83265 0091000	WHITE	Reel	1000 ft
83265 009100	WHITE	Reel	100 ft
83265 009500	WHITE	Reel	500 ft

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.