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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Part Number: 83264



75 Ohm Coax, RG179, #30 stranded silver-plated copper conductor, 95% silver braid, FEP jacket, commercial non-QPL product.

### Product Description

30 awg stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE insulation, silver-plated copper braid shield (95% coverage), FEP jacket, commercial non-QPL product.

### Technical Specifications

#### Product Overview

Environmental Space:	Outdoor - Aerial
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#### Physical Characteristics (Overall)

##### Conductor

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

Conductor Count:	1
Conductor Size:	30 AWG

##### Insulation

Material	Material Trade Name	Nominal Diameter
TFE - Tetrafluoroethylene	Teflon®	0.063 in

##### Outer Shield Material

Type	Layer	Material	Coverage [%]
Braid	1	SPC - Silver Plated Copper	95 %

##### Outer Jacket Material

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.1 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
244 Ohm/1000ft	8.5 Ohm/1000ft	8.5 Ohm/1000ft

##### Capacitance

<b>Nom. Capacitance Conductor to Shield</b>	
19.5 pF/ft	
Shielding:	Braid(s)

##### Inductance

<b>Nominal Inductance</b>
0.1 µH/ft

##### Impedance

<b>Nominal Characteristic Impedance</b>
75 Ohm

##### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
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1 MHz	3 dB/100ft
10 MHz	5.3 dB/100ft
50 MHz	8.5 dB/100ft
100 MHz	10 dB/100ft
200 MHz	12.5 dB/100ft
400 MHz	16 dB/100ft
700 MHz	19.7 dB/100ft
900 MHz	22.3 dB/100ft
1000 MHz	24 dB/100ft

#### Delay

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

#### Power Rating

Frequency [MHz]	Max. Power Rating [W]
50 MHz	1,250 W
100 MHz	865 W
200 MHz	599 W
400 MHz	415 W
700 MHz	308 W
900 MHz	270 W
1,000 MHz	255 W

#### Voltage

Non-UL Voltage Rating
900 V RMS (Mil-Spec)

#### Temperature Range

Non-UL Temp Rating:	200°C
Operating Temp Range:	-70°C To +200°C

#### Mechanical Characteristics

Bulk Cable Weight:	10 lbs/1000ft
Max Recommended Pulling Tension:	19 lbs
Min Bend Radius/Minor Axis:	1 in

#### Standards

RG Type:	179/U Type
Military Specification:	Commercial, non-QPL product (M17/94-RG179)
QPL (Qualified Parts List):	No
RG / Series Type:	179/U Type

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes

Suitability - Outdoor:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Part Number**

**Variants**

Item #	Color	Footnote
83264 001100	Brown	E
83264 0011000	Brown	C E
83264 001500	Brown	E

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.
Footnote:	C - CRATE REEL PUT-UP.

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