

**7805**

Part Number: 7805



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## Product Description

RG-174 type, 25 AWG solid .018" bare copper conductor, solid polyethylene insulation, Beldfoil® & #43; tinned copper braid shield (90% coverage), PVC jacket.

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## Product Specifications

### Conductor

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Total Number of Conductors:

1

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## Technical Specifications

### APAC Standard

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Mil Order #39 (China RoHS):

Yes

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### Bend Radius

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Min Bend Radius/Minor Axis:

1.25 in

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### CCB-Part Number

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Notes:

100% Sweep tested. 6 GHz. Max. Belden® The Wire in Wireless®.

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### CCB-Sub-Part Number

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Plenum (Y/N):

No

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### Connectors

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Suggested Connectors:

Mates with standard RG-174 connectors.

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## Contact Information

PHONE_NUM:	1-800-Belden1
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## EMEA Standard

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

Operating Temp Range:	-40°C To +80°C
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## EU Directive

EU CE Mark:	No
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EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
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## North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
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RG Type:	174/U
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Series Type:	RF 100
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## Temperature Range

Non-UL Temp Rating:	80°C
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## Use

Max Recommended Pulling Tension:	16 lbs
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### Impedance:

#### Nominal Characteristic Impedance

50 Ohm
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### Inductance:

#### Nominal Inductance

0.077 $\mu$ H/ft
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### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
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32 Ohm/1000ft	9.1 Ohm/1000ft
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**Power Rating:**

Frequency [MHz]	Nominal Power Rating [W]
30 MHz	216 W
50 MHz	154 W
150 MHz	74 W
220 MHz	57 W
450 MHz	34 W
900 MHz	21 W
1,500 MHz	14 W
1,800 MHz	13 W
2,000 MHz	12 W
2,500 MHz	10 W
3,000 MHz	9 W
3,500 MHz	8 W
4,500 MHz	7 W
5,800 MHz	5 W
6,000 MHz	5 W

**Delay:**

Nominal Delay	Nominal Velocity of Propagation (VP)
1.54 ns/ft	66 %

**Voltage:**

Non-UL Voltage Rating
1100V RMS

**VSWR:**

Frequency [MHz]	Max. VSWR
	1.25:1
5 MHz	



PVC - Polyvinyl Chloride	0.11 in
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**Conductor:**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	BC - Bare Copper	0.018 in	1

**Outersheild 1:**

Type	Layer	Material	Material Trade Name	Coverage
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		90 %

**Product Variants**

Part Number	Color	Put-Up Type	Length
7805 0101000	BLACK	Reel	1000 ft
7805 010100	BLACK	Reel	100 ft
7805 010500	BLACK	Reel	500 ft

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