

7805 Coax - RG-174 Type

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

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	174/U
Series Type	RF 100
AWG	25
Stranding	Solid
Conductor Diameter	.018 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PE - Polyethylene
Insulation Diameter	.061 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

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

Outer Shield % Coverage	100 %
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.110 in.
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MECHANICAL CHARACTERISTICS:

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Operating Temperature Range	-40°C To +75°C
Non-UL Temperature Rating	80°C
Bulk Cable Weight	9 lbs/1000 ft.
Max. Recommended Pulling Tension	16 lbs.
Min. Bend Radius (Install)	0.25 in.

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):	01/01/2004

SUITABILITY:

Suitability - Outdoor	Yes
Suitability - Aerial	Yes - When supported by a messenger
Suggested Connectors	Mates with standard RG-174 connectors.

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.077 µH/ft
Nom. Capacitance Conductor to Shield	31.2 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	32.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	9.1 Ohms/1000 ft

Maximum VSWR :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Maximum VSWR
		5	6000	1.25:1

Nom. Attenuation :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	30			3.8
	50			4.9
	150			8.6
	220			10.4
	450			15.2
	900			22.0
	1500			28.7
	1800			31.7
	2000			33.4
	2500			37.8
	3000			42.0
	3500			45.4
	4500			52.3
	5800			60.9
	6000			62.0

Nom. Power Rating :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Power Rating (W)
		30		216
		50		154
		150		74
		220		57
		450		34
		900		21
		1500		14
		1800		13
		2000		12
		2500		10
		3000		9
		3500		8
		4500		7
		5800		5
		6000		5

Max. Operating Voltage - Non-UL

300 V RMS

NOTES:

Notes

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

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
7805 010100	RF100 WIRELESS 50 OHM COAX PVC	100	1.8	BLACK	E
7805 0101000	RF100 WIRELESS 50 OHM COAX PVC	1000	10	BLACK	



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7805 010500	RF100 WIRELESS 50 OHM COAX PVC	500	5.5	BLACK	
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E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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