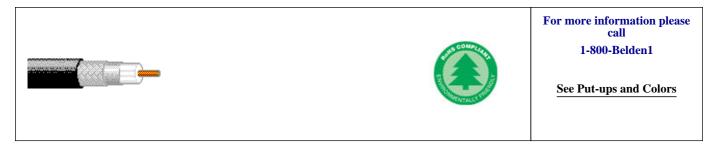


## **BELDEN**Cable<sup>\*\*</sup>

## 7805 Coax - RG-174 Type



#### **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	RF 100					
AWG		25	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	e Name	Beldfoil®						
Outer Shield Type		Tape/Braid						
Outer Shield Material :								
Layer Number	Layer Number Trade Name		Material	% Coverage (%)				
1	Beldfoil®	Таре	Aluminum Foil-Polyester Tape	100				
2		Braid	TC - Tinned Copper	90				
Outer Shield %Coverage		100 %						
OUTER JACKET:								
Outer Jacket Material		PVC - Polyvinyl Chloride						
		r ve rorj imjremoriae						
OVERALL NOMINAL D	DIAMETER:							
OVERALL NOMINAL D	DIAMETER:	.110 in.						

### Detailed Specifications & Technical Data



# **BELDEN**Cable<sup>\*\*</sup>

7805 Coax - RG-174 Type

		5	6000	1.25:1			
Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Maximum VSWR			
Nominal Outer Shield DC I Maximum VSWR :	Resistance @ 20°C	9.1 Ohms/1000 ft					
Nom. Conductor DC Resistance @ 20 Deg. C		32.0 Ohms/1000 ft					
Nominal Delay		1.54 ns/ft					
Nominal Velocity of Propagation		66 %					
Nom. Capacitance Conductor to Shield		31.2 pF/ft					
Nom. Inductance		.077 μH/ft					
Nom. Characteristic Impeda	ance	50 Ohms	50 Ohms				
ELECTRICAL CHARA	CTERISTICS:						
Plenum (Y/N)		Ν					
PLENUM/NON-PLENU	М:						
Suggested Connectors		Mates with standard RG-174 connectors.					
Suitability - Aerial		Yes - When supported by a	messenger				
Suitability - Outdoor		Yes					
SUITABILITY:							
EU RoHS Compliance Date	e (mm/dd/yyyy):	01/01/2004					
EU RoHS Compliant (Y/N)	)	Yes					
EU CE Mark (Y/N)		No					
APPLICABLE STANDA							
APPLICABLE SPECIFI	CATIONS AND AGEN	CY COMPLIANCE:					
Min. Bend Radius (Install)	8	0.25 in.					
Max. Recommended Pullin	g Tension	16 lbs.					
Bulk Cable Weight			9 lbs/1000 ft.				
Operating Temperature Range Non-UL Temperature Rating		-40°C To +75°C 80°C					

Nom. Attenuation :



# **BELDEN**Cable<sup>\*\*</sup>

## 7805 Coax - RG-174 Type

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
	RF100 WIRELESS 50 OHM COAX PVC	100	1.8	BLACK	E
	RF100 WIRELESS 50 OHM COAX PVC	1000	10	BLACK	

### Detailed Specifications & Technical Data



## **BELDEN**Cable<sup>\*\*</sup>

### 7805 Coax - RG-174 Type

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'

Revision Number: 2 Revision Date: 07-08-2005

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