## **Detailed Specifications & Technical Data**



### METRIC MEASUREMENT VERSION

### 7805 Coax - RG-174 Type

For more Information please call

1-800-Belden1



### **General Description:**

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

Physical (	Characteristic	s (Overa	all)						
Conducto									
AWG: # Coa	x AWG Stranding	Conducto	or Mate	erial Dia. (mm)					
1	25 Solid	BC - Bare							
Total N	Number of Conduc	tors:			1				
Insulation	1								
	n Material:								
	tion Material Dia. Polyethylene 1.54								
	I								
Outer Shie Outer Shi	eld ield Material:								
-				Outer Shield Mater		Coverage (%)			
1	Beldfoil®			Aluminum Foil-Polye					
2			Braid	TC - Tinned Copper		90			
Outer Jack	ket cket Material:								
	Jacket Material								
PVC -	Polyvinyl Chloride								
Overall Ca	able								
	I Nominal Diamete	ər:			2.1	794 mm			
Maahania	al Characteri	ation (Or	o roll	<b>`</b>					
	al Characteris		erall	)	4	0°C To 180°C			
	Operating Temperature Range:				-40°C To +80°C				
	Non-UL Temperature Rating:				80°C				
Bulk C	Bulk Cable Weight:				13	13.394 Kg/Km			
Max. R	Max. Recommended Pulling Tension:				71	.171 N			
Min. Be	end Radius/Minor	Axis:			31	.750 mm			
Applicabl	e Specificatio	ons and A	Agen	cy Compliance	e (Over	all)			
	e Standards & E		-						
	ective 2011/65/EU				Ye	es			
EU CE	Mark:				No	)			
EU Dire	ective 2000/53/EC	(ELV):			Ye	s			
EU Dire	ective 2002/95/EC	(RoHS):			Ye	es			
	HS Compliance Da	. ,	///////////////////////////////////////			/01/2004			
	-		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•					
	ective 2002/96/EC	. ,			Ye				
	ective 2003/11/EC				Ye				
CA Pro	op 65 (CJ for Wire	& Cable):			Ye	s			
MII Ord	der #39 (China Rol	HS):			Ye	s			
RG Typ	pe:				17	'4/U			
Series	Туре:				RF	- 100			
Suitability	1								

Plenum/Non-Plenum

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# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION



### 7805 Coax - RG-174 Type

Plenum (Y	(/N):				No
ectrical Cl			verall	l)	
om. Characte		dance:			
Impedance	(Ohm)				
50					
om. Inductan					
Inductance	(µH/m)				
0.252637					
om. Capacita	nce Condu	ctor to Shie	eld:		
Capacitance	e (pF/m)				
102.367					
minal Veloci	ity of Propa	gation:			
VP (%)		-			
66					
ominal Delay					
Delay (ns/m					
5.05274	·,				
om. Conducto					
DCR @ 20°0	G (Onin/km)				
ominal Outer			<b>:</b>		
DCR @ 20°0	C (Ohm/km)				
29.8571					
aximum VSW	/R:				
Description	Freq. (MH	z) Start Fre	eq. (MH	z) Stop Freq. (MI	Hz) Max. VSWR
		5		6000	1.25:1
om. Attenuati	ion:				
Freq. (MHz)	Attenuatio	on (dB/100r	n)		
5.000	4.922				
10.000	7.218		-		
30.000	12.468		-		
50.000	16.077		-		
150.000	28.217		-		
220.000	34.122		1		
450.000	49.871		1		
900.000	72.182		1		
1500.000	94.165		1		
1800.000	104.008		1		
2000.000	109.585		-		
2500.000	124.022				
3000.000	137.802		1		
3500.000	148.957		-		
4500.000	171.596		1		
5800.000	199.813		1		
6000.000	203.422		-		
om. Power Ra	atina:				
Start Freq. (		na (W)			
30	216	·9 (••)			
50	154				
150	74				
220	57				
450	34				
900	21				
1500	14				
1800					
1000					
2000	13				
2000	12				
2500	12 10				
2500 3000	12 10 9				
2500 3000 3500	12 10 9 8				
2500 3000 3500 4500	12 10 9 8 7				
2500 3000 3500 4500 5800	12 10 9 8 7 5				
2500 3000 3500 4500	12 10 9 8 7				

Max. Operating Voltage - Non-UL:

## **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION





#### Notes (Overall)

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

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7805 010100	100 FT	1.700 LB	BLACK	E	RF100 WIRELESS 50 OHM COAX PVC
7805 0101000	1,000 FT	10.000 LB	BLACK		RF100 WIRELESS 50 OHM COAX PVC
7805 010500	500 FT	5.500 LB	BLACK		RF100 WIRELESS 50 OHM COAX PVC

Notes:

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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