



**Part Number:** DRF-400  
**Description:** 50 Ohm Low-Loss RG 8/U | 400 Type Coax

**Construction Details:**

**Center Conductor:** 10 AWG Solid Bare Copper Clad Aluminum .108" nom OD  
**Dielectric Layer:** Gas-Injected Foam Polyethylene .285" nom OD  
**1st Shield Layer:** Bonded Aluminum / Polyester / Aluminum Tape .291" nom OD  
**2nd Shield Layer:** 34 AWG Tinned Copper Braid, 95% nom Coverage .319" nom OD  
**Jacket:** Black Low-Density Polyethylene .405" nom OD  
**Print Legend:** DRF-400 -- 50 OHM LOW-LOSS RG 8/U | 400 TYPE COAX -- MADE IN USA  
**Print Interval:** 12" nom

**Electrical Characteristics:**

**Impedance:** 50 Ohms nom  
**Capacitance:** 23 pF/FT nom  
**Inductance:** .06 µH/FT nom  
**Velocity of Propagation:** 85% nom  
**Delay:** 1.20 nS/FT nom  
**DC Resistance - Conductor:** 1.39 Ohms/kFT nom  
**DC Resistance - Shield:** 1.65 Ohms/kFT nom  
**Withstand Voltage:** 2500 Volts DC

**Attenuation & Power Rating**

<u>Frequency (MHz)</u>	<u>dB / 100 FT nom</u>	<u>Watts</u>
30	.7	3,300
50	.9	2,570
150	1.5	1,470
220	1.9	1,200
450	2.7	830
900	3.9	580
1,500	5.1	440
2,000	6.0	370
2,500	6.8	330
3,000	7.5	270
5,800	10.8	210

**Physical Characteristics:**

**Temperature Range:** -40°F to +185°F [-40°C to +85°C]  
**Bending Radius:** 1" min Installation  
 4" min Repeated  
**Cable Weight:** .068 LBS/FT  
**RoHS Compliant:** Yes

**Engineering Specification**

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Title: <b>DRF-400 Low-Loss 50 Ohm Coax</b>	
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	Rev.	ECO#	Date	Engineering:	Title:	Date
	-	Initial Release	15-Feb-13	<b>Kyle Jensen</b>	Sales Eng.	15-Feb-13
				Reviewed by:	Title:	Date
			<b>Jeff Stimson</b>	President	15-Feb-13	