



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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Davis RF
 PO Box 370
 N. Haverhill, NH 03774
 Phone: (603) 787-2200
 E-mail: info@davisrf.com

Revisions			Approved by:		
Rev.	ECO#	Date	Engineering:	Title:	Date
-	Initial Release	15-Feb-13	Kyle Jensen	Sales Eng.	15-Feb-13
			Reviewed by:	Title:	Date
			Jeff Stimson	President	15-Feb-13