



QUALITY COMMUNICATIONS EQUIPMENT SINCE 1942

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DRF LOW-LOSS 50 OHM COAX

Part Number: DRF-400

Physical Properties	
Conductor:	10 AWG Solid Bare Copper-Clad Al (.108" nom OD)
Dielectric:	Gas Injected Foam PE
Shield 1:	Bonded Al/poly/Al (100% Coverage)
Shield 2:	Tinned Copper Braid (95% Coverage)
Jacket:	Black Low-Density PE (.405" nom OD)
Weight:	68 lbs/kft nom.
Bend Radius:	1" min (Install)
Typical Characteristics	
Impedance:	52 Ohms
Capacitance:	22.5 pF/FT
Velocity:	85% nom.



DRF-400 Low-Loss 50 Ohm Coax is designed for ease of installation in areas where the physical requirements rule out the use of corrugated transmission cables and your application requires better performance than traditional RG-type single-braided cables.

Designed by Davis RF, a leading supplier of products for both Amateur and Commercial RF Communications markets, the **DRF-400** coax is constructed with a gas-injected, high-velocity, foamed polyethylene dielectric, foil & braid shielding, and a high quality, UV resistant, durable polyethylene jacket designed to withstand installation in the harshest of environments as well direct burial.

Applications for the **DRF-400** coax includes:

- Amateur Radio
- CB Radio
- Emergency Management Communications
- Commercial Two-Way Communications
- as well as GPS, Wi-Fi, and Wi-MAX

The **DRF-400** cable is mechanically & electrically equivalent to LMR® 400 and is a cost effective, drop-in replacement for coaxes from companies such as: Belden, Coleman Cable, CommScope, JSC Wire & Cable and Times Microwave.

DRF-400 is compatible with all high quality 50 Ohm RF Connectors.



Operating Frequency	Attenuation (dB/100 FT)	Power Rating (Watts)
30 MHz	.7	3300
50 MHz	.9	2570
150 MHz	1.5	1470
220 MHz	1.9	1200
450 MHz	2.7	830
900 MHz	3.9	580
1500 MHz	5.1	440
2000 MHz	6.0	370
2500 MHz	6.8	330
3000 MHz	7.5	270
5800 MHz	10.8	210