

## Low Loss Cable

### Low Loss Flexible 400 Cable

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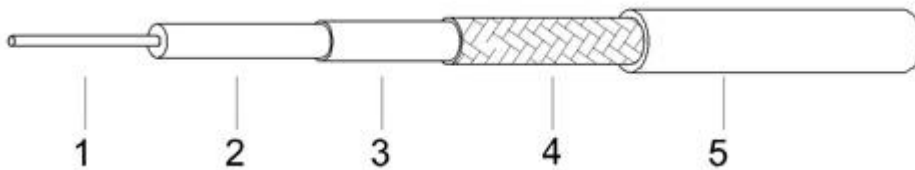
#### Low Loss Flexible 400 Cable

BJDZ P/N: LMR400-UF

Highlights: ● Drop-in replacement for RG8/9913  
Air-Dielectric type Cable  
● Jumper Assemblies in Wireless  
Communications Systems  
● Short Antenna Feeder runs  
● Any application that requires  
periodic/repeated flexing

RoHS Certificate: Compliant

Data Sheet:



#### Construction Specification

Item	Material	Diameter (mm)
1. Inner Conductor	Stranded BC	2.74
2. Dielectric	Physical Foam Polyethylene	7.24
3. Outer Conductor	Bonded Aluminum Foil	7.39
4. Overall Braid	Tinned Copper Braid	8.13
5. Jacket	Black Thermoplastic Elastomer	10.29

#### Electrical Characteristics

Capacitance (Pf/M)		78.40
Impedance (Ohm)		50
Velocity(%)		85
Shielding Effectiveness (>dB)		90
Inner Conductor DC Resistance ( $\Omega$ /km)		3.51
Outer Conductor DC Resistance ( $\Omega$ /km)		5.4
Voltage Withstand (Volts DC)		2500
Dielectric Constant		1.38
Time Delay (nS/m)		3.92
VSWR $\leq$ (Return Loss $\geq$ dB)	5-3000MHz	1.20 (20)

	800-1000MHz	1.10 (26)
	1700MHz-2000MHz	1.15 (23)
	2000MHz-2400MHz	1.15 (23)
Bend Radius: installation (mm)		25.4
Bend Radius: repeated (mm)		101.6
Operating Temp. (°C)		-40 to 80

Attenuation (Typical)		
Frequency (MHz)	Attenuation ( $\geq$ dB/100m)	Avg. Power (KW)
30	2.70	2.77
50	3.50	2.14
150	6.10	1.22
220	7.40	1.00
450	10.70	0.69
900	15.40	0.48
1500	20.20	0.36
1800	22.30	0.33
2000	23.60	0.31
2500	26.60	0.28
5800	42.60	0.17