



**RADIO FREQUENCY INDUSTRIES (PTY.) LTD.**

*"Simply The Best"*

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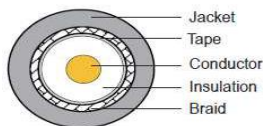
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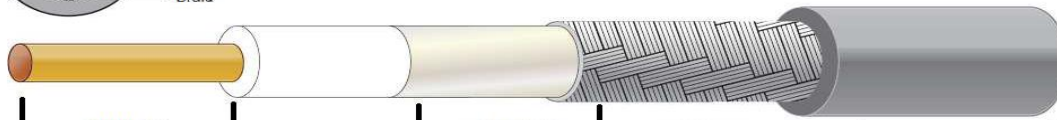
**RFi LOW LOSS 400 CABLE - LL-400**

**RFi LOW LOSS 400 CABLE**

**RFi ORDER CODE : LL400**



**LL-400 CABLE STRUCTURE**



INNER CONDUCTOR	DIELECTRIC	OUTER CONDUCTOR	OUTER BRAID	JACKET
Material Solid Copper	Material Foam polyethylene	Material Aluminum/PE Tape	Material Tinned copper wire	Material PE
Diameter Approx. 2.74 mm	Diameter Approx. 7.24 mm	Diameter Approx. 7.35 mm	Diameter Approx. 8.1 mm Coverage 85%	Diameter Approx. 10.3 mm Color Black

Max. Frequency	=	16.2 GHz.
Velocity Factor	=	85%
Voltage Withstand	=	2,500 VDC
Peak Power	=	16 kW
DC Resistance (Inner Conductor)	=	4.3 Ohm/km
DC Resistance (Outer Conductor)	=	5.95Ohm/km
Jacket Spark	=	4,000 VRMS
Impedance	=	50 Ohm
Capacitance	=	78.40 pF/m
Inductance	=	0.2 uH/m
Shielding Effectiveness	=	Better Than 90dB
Operating Temperature	=	-40 to 85 Deg Cent.
Minimum Bend Radius	=	25.4 mm
Tensile Strength	=	72.6 kg
Cable Weight	=	0.103 kg/m
Inner conductor	=	Solid Copper
Dielectric	=	Foam Polyethylene
Outer conductor	=	Aluminium Tape
Overall braid	=	Tinned Copper
Outer Jacket	=	Polyethylene
Inner conductor	=	2.74mm
Dielectric	=	7.24mm
Outer conductor	=	7.39mm
Overall braid	=	8.13mm
Outer Jacket	=	10.29mm

**ATTENUATION**

Freq.	dB/100ft.	dB/100m	Av. Power kW
30MHz.	0.7	2.2	3.3
50MHz.	0.9	2.9	2.57
150MHz.	1.5	5	1.47
220MHz.	1.9	6.1	1.2
450Mhz.	2.7	8.9	0.83
800Mhz.	3.7	12	0.61
900MHz.	3.9	12.8	0.58
1.5GHz.	5.2	16.8	0.44
1.8GHz.	5.7	18.6	0.4
2.0GHz.	6	19.6	0.37
2.2GHz.	6.3	20.7	0.36
2.4GHz.	6.614	21.703	0.34
2.5GHz.	6.8	22.2	0.33
3.5GHz.	8.1	26.7	0.27
5.8GHz.	10.8	35.5	0.21

**Manufacturers of : Two-Way Radio Antennas, Duplexers, Filters, Combiners, Splitters, Lightning protectors & other RF Products.  
Sales and Distribution of: Two-Way Radios, Repeater Systems, Power Meters, Microphones, Power Supplies, Cables & Connectors.**