305m Coaxial Cable LMR-LL400 Type 10mm Low Loss Broadband Communication Cable

56MM-E400

High quality 10mm 50 ohms LMR400/LL400 Low Loss Coaxial Cable for cellular antenna systems. Suited for use with our 4G01 and 4G02 antenna kits where cable runs are longer than 6m from the antenna to the receiver.

Features and Benefits

- 305m roll of LMR/LL400 low loss cable for cellular antenna systems
- Impedance: 50 ± 1 Ω
- Velocity of propagation - 85%
- Cut and terminate to the exact lengths required
- Frequency range 30-2500MHz
- Return loss ≥ 20 dB

Construction				
	Material	Construction	OD	
Centre Conductor	Solid copper Clad Aluminium	1/2.74mm	2.74mm	
Insulation:(Dielectric)	Gas Injected Foamed Polyethelene	Solid	7.24mm	
Shield 1	Bonded Aluminium tape	Aluminium/polyester/ aluminium	7.39mm	
Shield 2	Annealed Tinned Copper Wire Braid	8/24/0.16mm	8.13mm	
Jacket (Sheath)	Non Contaminating PVC	Extruded	10.29mm	
Flexibility	Plaasticiser	65p		
Mechanical Characteristics				
Cable weight (incl spool)			13.3kgs/100m	
Max Recommended pulling tension			72.7kg	
Minimum Band Radius			25.4mm	
Operating Temperture			-40° to +80°C	
Electrical Characteristics				
		Attenuation		
Capacitance	78.4pF/M	Frequency (MHz)	dB/100m	Avg. Power Watts
Impedance	50 ± 1 ΩNom	30	2.29	3300
Velocity of propagation	85%	50	2.89	2600
Conductor DCR	4.60 Ohms/km	150	4.95	1500
Shield DCR	5.40 Ohms/km	220	6.14	1200
Nom. Inductance	0.20 uH/m	450	8.60	830
Peak Power	16kW	900	12.83	580
Nominal Delay	5.05ns/mtr	1500	16.86	440
Maximum Operating Voltage	2500 v RMS	1800	18.57	400
Cut off Frequency	16.2GHz	2000	19.65	370
Return Loss (820-960MHz)	≥20 dB	2500	22.28	330
Return Loss (17000-2200MHz)	≥20 dB			