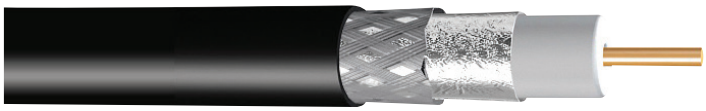
Coaxial Cable LL/LMR195 Type 5mm Low Loss Double Shielded (Cut to Length)

56MM-E195-1

Matchmaster
For the Best

High quality 5mm 50 Ohm LL/LMR195 type low loss coaxial cable for radio and cellular systems. It is suited for jumper assemblies in wireless communications systems and short antenna feeder cables. Designed for use predominantly with mobile/cellular antenna systems. Available cut to length to the nearest meter.



Features and Benefits

- LL/LMR195 type coaxial cable is suitable for radio transmission, mobile 3G/4G and 5G cellular systems
- Impedance: 50Ω nom
- The velocity of propagation - 66%
- Cut and terminate to the exact lengths required
- Outside diameter: 4.95mm±0.05
- Capacitance 98.4pF/M

Construction					
	Material	Construction	OD	Tolerance	Pitch
Centre Conductor	Anneald Bare copper Wire	Single strnad	0.94	OD±0.05 Strands ± 0.01	
Insulation: (Dielectric)	Polyethylene	Gas injected Foam	2.79	±0.05	
Shield 1	Polyster/Aluminium	Unbonded Foil 0.12mm	3.03	OD ±0.05 Strands ± 0.01	
Shield 2	Tinned Copper Wire Braid	7/16/0.127mm	3.49mm	OD ±0.05 Strands ± 0.01	14ppi
Jacket (Sheath)	Non Contaminating UV Stable PVC	Extruded	4.95mm	OD ±0.05	
Mechanical Characteristics					
Net Cable Weight			3.6kg/100m		
Cable weight (incl spool)			3.9kg/100m		
Max Recommended pulling tension			19kg		
Minimum Band Radius			20mm		
Operating Temperture			-40° to +80°C		
Electrical Characteristics					
		Attenuation			
Capacitance	98.4pF/M	Frequency (MHz)	dB/100m	Max Power Watts	
Impedance	50ΩNom				
Velocity of propagation	66%	30	8.4	600	
Conductor DCR	3.29 Ohms/km	100	11.8	400	
Shield DCR	1.25 Ohms/km	200	16.8	300	
Nom. Inductance	0.059 uH/ft (0.194 uH/m)	400	24.0	215	
Peak Power	16kW	500	32.0	160	
Nominal Delay	5.05ns/mtr	800	36.5	140	
Mazimum Operating Voltage		1000	38.5	133	