

Siechem Coaxial LMR 200 Cable

Application

- ✓ Used for wireless communication systems.
- ✓ Automotive & EV RF Systems.
- ✓ Short Antenna feed lines.
- ✓ Used for application eg. WLL, GPS, LMR, WLAN, WiMax, SCADA & Mobile Antenna.

Product Construction

- ✓ Conductor : Solid Bare Copper Conductor.
- ✓ Insulation : Foamed Polyethylene.
- ✓ Core Identification : Natural or (as per customer order).
- ✓ Shield : Aluminium Tape (Duofoil) (Coverage 100%).
- ✓ Shielding : ATC Braiding (Coverage 80%).
- ✓ Outer sheath : PVC - Black.

Technical Data

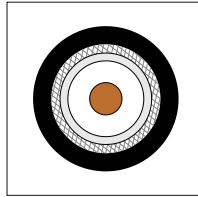
- ✓ Operating temperature : -40°C to +85°C.
- ✓ Tensile strength : 40 lb.
- ✓ Dielectric Constant : 1.45 NA.
- ✓ Cutoff frequency : 39 GHz.
- ✓ Velocity of Propagation : 83%.
- ✓ Time Delay : 4.02 nS/m.
- ✓ Impedance : 50Ω
- ✓ Cutoff frequency : 39 GHz.
- ✓ Capacitance : 83.3 pF/m.
- ✓ Inductance : 0.20 uH/m.
- ✓ Shielding Effectiveness : >90 dB.
- ✓ DC Resistance :
Inner Conductor (20°C Max) : 17.6 Ω/Km,
Outer Conductor (20°C Max) : 16.1 Ω/Km.
- ✓ Voltage withstand : 1000 V DC.
- ✓ Jacket Spark test : 3000 V rms.
- ✓ Peak Power : 2.5 kW.
- ✓ Bending Radius :
Static : 5 x Cable OD
Dynamic : 10 x Cable OD.

Features

- ✓ Low Loss.
- ✓ Flexible and Easy to install.
- ✓ Weather resistant.
- ✓ RoHS.

Automotive Cables LMR 200

2D View



Approvals Accreditations Certifications



Part Number	Conductor Construction				Dia. Over Insulation (Nom)	Shield Thickness (Nom.)	Dia. Over Shield (Nom.)	Braid Thickness (Nom.)	Dia. Over Braid (Nom.)	Outer Sheath Thickness (Nom.)	Overall Diameter (Nom.)	Weight Approx.
	Nom. Cross Section area	No. of Core	No. of Strands	Conductor Diameter (Nom.)								
	mm	Nos.	Nos.	mm	mm	mm	mm	mm	mm	mm	mm	Kg/Km
D853A1000004	0.98	1	1	1.12	2.95 ± 0.1	0.08	3.07	0.12	3.66	0.50	4.95 ± 0.10	38

Frequency (MHz)	30	50	150	220	450	900	1500	1800	2000	2500	5800
Nom. Attenuation (dB/100m)	5.8	7.5	13.1	15.9	22.8	32.6	42.4	46.6	49.3	55.4	86.5
Avg Power kW	1.02	0.79	0.45	0.37	0.26	0.18	0.14	0.13	0.12	0.11	0.07

** We have obtained various approvals, accreditations, and certifications - some of which may not be relevant to this catalog.



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