

Siechem Coaxial LMR 400 Cable

Application

- ✓ Suitable for RF signal transmission.
- ✓ RF modules and IOT device.
- ✓ LAN & Data transmission.
- ✓ Aerospace.
- ✓ Defence.
- ✓ Medical Devices.

Product Construction

- ✓ Conductor : Solid Copper Clad Conductor.
- ✓ Insulation : Foamed Polyethylene.
- ✓ Core Identification : Natural or (as per customer order).
- ✓ Shield : Aluminium Tape.
- ✓ Braid : ATC Braiding.
- ✓ Outer sheath : PVC - Black.

Technical Data

- ✓ Tensile Strength : 72.6 Kg.
- ✓ Peak power rating : 16kW.
- ✓ Cut-Off frequency : 16.2 GHz.
- ✓ Voltage withstand : 2500 VDC.
- ✓ Capacitance : 78.4 ± 3 pF/m.
- ✓ Operating temperature : -40°C to +85°C.
- ✓ Velocity of propagation : 85%.
- ✓ Dielectric constant : 1.38 NA.
- ✓ Time Delay : 3.92 ns/m.
- ✓ Impedance : 50 Ω.
- ✓ Inductance : 0.20 μH/m.
- ✓ Shielding Effectiveness : >90 dB.
- ✓ Jacket spark : 8000 VRMS.
- ✓ Min. Bending Radius : Fixed : 5 x Cable OD,
Flexible : 10 x Cable OD.
- ✓ Shield Resistance : 5.4 Ω/Km.

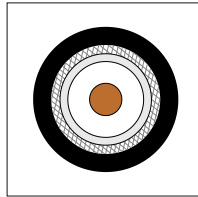
Features

- ✓ Low attenuation.
- ✓ Supports high-frequency transmission.
- ✓ Good Durability.
- ✓ Strong signal performance.
- ✓ UV Resistant.

Automotive
Cables

LMR 400

2D View



Approvals Accreditations Certifications



Part Number	Conductor Construction				Dia. Over Insulation (Nom)	Dia. Over Shield (Nom.)	Dia. Over Braid (Nom.)	Overall Diameter (Max.)	Weight Approx.	Conductor Resistance at 20°C (Nom.)
	Nom. Cross Section area	No. of Core	No. of Strands	Conductor Diameter (Nom.)						
D001230004	mm	Nos.	Nos.	mm	mm	mm	mm	mm	Kg/Km	Ω/Km
	6.00	1	1	2.74	7.24	7.39	8.13	10.29	112	4.6

Frequency (MHz)	30	50	150	220	450	900	1500	1800	2000	2500	5800
Nom. Attenuation (dB/100m)	2.2	2.9	5.0	6.1	8.9	12.8	16.8	18.6	19.6	22.2	35.5
Avg Power kW	3.33	2.57	1.47	1.20	0.83	0.58	0.44	0.40	0.37	0.33	0.21

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



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