

**Siechem Coaxial LMR 240 Cable**

**Application**

- ✓ Suitable for RF signal transmission.
- ✓ RF modules and IOT device.
- ✓ LAN & Data transmission.
- ✓ Aerospace.
- ✓ Defence.
- ✓ Medical Devices.
- ✓ Jumper assemblies in wireless communication system.

**Product Construction**

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

**Technical Data**

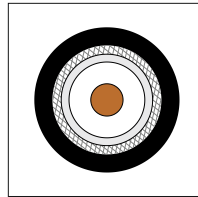
- ✓ Operating temperature : -40°C to +85°C.
- ✓ Tensile strength : 36.3Kg.
- ✓ Dielectric Strength : 1.6 kV.
- ✓ Peak power rating : 5.60 kW.
- ✓ Cut-Off frequency : 31 GHz.
- ✓ Voltage withstand : 1500VDC.
- ✓ Capacitance : 79.4±3 pF/m.
- ✓ Screening factor at 1-1000MHz : >90dB.
- ✓ Admissible ambient temperature : -40°C to +85°C.
- ✓ Impedance : 50Ω.
- ✓ Velocity of propagation : 84%.
- ✓ Dielectric constant : 1.42 NA.
- ✓ Time Delay : 3.97 ns/m.
- ✓ Peak power : 5.6 kW.
- ✓ Inductance : 0.2 μH/m.
- ✓ Shield resistance : 12.8 Ω/Km.
- ✓ Spark test voltage : 5000 V AC.
- ✓ Shielding effectiveness : >90dB.

**Features**

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

Automotive Cables **LMR 240**

**2D View**



| Approvals | Accreditations | Certifications |
|-----------|----------------|----------------|
|           |                |                |
|           |                |                |
|           |                |                |
|           |                |                |

| Part Number | Conductor Construction  |             |                |                           | Dia. Over Insulation (Nom) | Duofoil Shield Thickness (Nom) | Dia. Over Shield (Nom.) | Braid Thickness (Nom.) | Dia. Over Braid (Nom.) | Outer Sheath Thickness (Nom.) | Overall Diameter (Nom.) | Weight Approx. | Conductor Resistance at 20°C (Nom.) |
|-------------|-------------------------|-------------|----------------|---------------------------|----------------------------|--------------------------------|-------------------------|------------------------|------------------------|-------------------------------|-------------------------|----------------|-------------------------------------|
|             | Nom. Cross Section area | No. of Core | No. of Strands | Conductor Diameter (Nom.) |                            |                                |                         |                        |                        |                               |                         |                |                                     |
| C999A870004 | mm                      | Nos.        | Nos.           | mm                        | mm                         | mm                             | mm                      | mm                     | mm                     | mm                            | mm                      | Kg/Km          | Ω/Km                                |
|             | 1.58                    | 1           | 1              | 1.42                      | 3.81                       | 0.08                           | 3.94                    | 0.12                   | 4.52                   | 0.65                          | 6.2                     | 51             | 10.5                                |

|                            |      |      |      |      |      |      |      |      |      |      |      |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Frequency (MHz)            | 30   | 50   | 150  | 220  | 450  | 900  | 1500 | 1800 | 2000 | 2500 | 5800 |
| Nom. Attenuation (dB/100m) | 4.4  | 5.7  | 9.9  | 12.0 | 17.3 | 24.8 | 32.4 | 35.6 | 37.7 | 42.4 | 66.8 |
| Avg Power kW               | 1.49 | 1.15 | 0.66 | 0.54 | 0.38 | 0.26 | 0.20 | 0.18 | 0.17 | 0.15 | 0.10 |

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



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