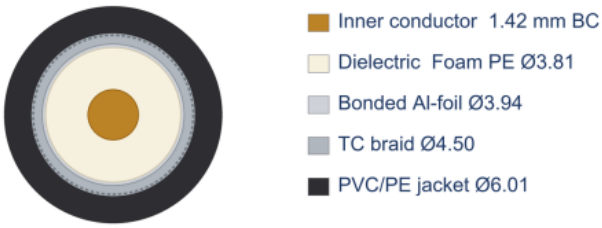
Powertec Telecommunications Pty Ltd
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

LMR240

Low-loss 50 Ω coaxial cable

Product Identification	
Type No.	LMR-240
Description	50 Ohm Low-Loss Coax, 1.42 mm BC, Foam PE, Al-Foil + TC Braid, PVC/PE Jacket

DRAWING:



Construction		
Inner conductor	Material	Bare Copper
	Diameter (mm)	1.42
Insulation	Material	Foam PE
	Diameter (mm)	3.81
Outer conductor	Material	Al-Foil + TC Braid
	Diameter (mm)	3.94 / 4.50
Jacket	Material	PVC / PE
	Average thickness (mm)	0.76
	Diameter (mm)	6.01

Mechanical Characteristics		
Bending radius (mm)	Single bend	30
	Repeated bend	600
Physical	Tensile strength (N)	500
	Cable weight (kg/km)	29
Temperature (°C)	Storage	−40 to +85
	Installation	−40 to +85
	Operating	−40 to +85

Electrical Characteristics	
Inner conductor DC resistance (Ω/km)	10.5
Insulation resistance (MΩ/km)	> 5000
Characteristic impedance (Ω)	50 ± 3
Capacitance (pF/m)	79.4
Velocity of propagation (%)	84
Dielectric strength (kV, max.)	None
Operating voltage (V)	None
Test voltage (V)	None
Shielding effectiveness (dB)	None

Attenuation

Frequency (MHz)	Attenuation @ 20 °C (dB/100 m)
50	5.6
450	17.4
900	24.9
1800	35.8
3000	46.6

Maximum attenuation value shall be 105% of the nominal attenuation value.

Compliance

- **CE-EMC**: 2014/30/EU, EN 50332
- **RoHS 2.0**: 2011/65/EU, IEC 62321-3-1
- **REACH**: EC No 1907/2006
- **CPR Eca**: EN 50575
- **California Proposition 65**: California Health and Safety Code §25249.5 – §25249.13

This product has not obtained HAR certification. If the customer exports the product to the European market voluntarily, all compliance risks and liabilities arising therefrom shall be borne solely by the customer.