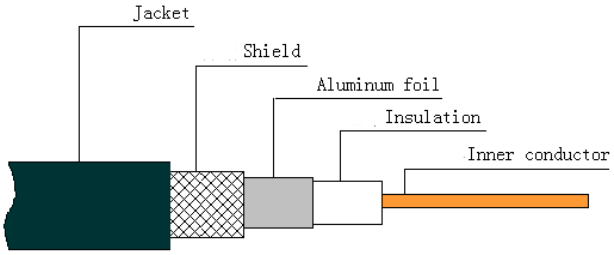
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LMR400

Low-loss 50 Ω coaxial cable

Product Identification	
Type No.	ALMR-400
Description	Radio frequency cable with foam polyethylene dielectric
Standard	MIL-C-17



Construction		
Inner conductor	Material	Copper Clad Aluminium
	Structure (no. / mm)	1 / 2.74 ± 0.02
	Cross-section (mm²)	5.89
Insulation	Material	Foam PE (FPE)
	Average thickness (mm)	2.25
	Thinnest thickness (mm)	2.1
	Diameter (mm)	7.24 ± 0.2
Outer conductor	Material	Tinned Copper + ALMG (Bonded Al-Foil)
	Braid wire diameter (mm)	0.13 ± 0.05
	Braid structure	12 × 16 / 0.16 mm
	Diameter (mm)	7.9 ± 0.10
Jacket	Material	LSZH
	Average thickness (mm)	1.1
	Thinnest thickness (mm)	0.9
	Diameter (mm)	10.29 ± 0.20

Electrical Characteristics	
Inner conductor DC resistance @ 20 °C (Ω/km)	≤ 2.92
Characteristic impedance (Ω)	50 ± 3
Capacitance (pF/m)	101.1 ± 5
Test voltage (V)	2000
Spark test voltage (V)	2000

Attenuation	
Frequency (MHz)	**Attenuation @ 20 °C (dB/100 m, max.)**
50	2.9
200	7.2
450	8.9
900	12.8
1500	16.8

Compliance

- **RoHS**: Compliant