

Foam polyethylene insulated coaxial cable

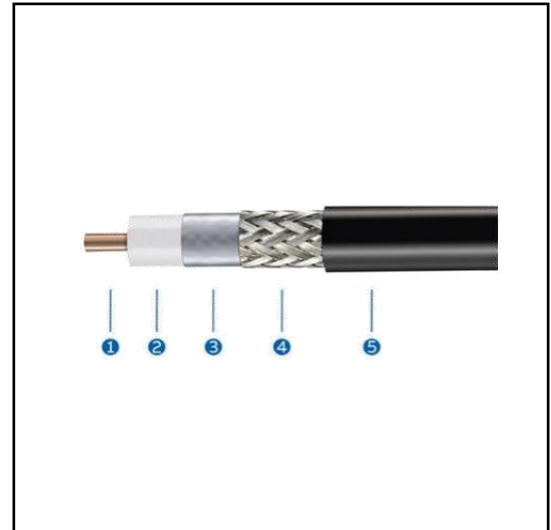
P/N:CL100

Features:

- Maximum operating frequency: 6GHz
- Good shielding effectiveness
- Low loss

Typical Applications:

- mobile communication
- Information Channel
- electronic countermeasure
- Base station feeder



Structural Materials and Dimensions:

Structure	Material	Diameter(mm)
1.Inner conductor	Bare copper	0.46
2.Dielectric	Foam PE	1.51
3.Outer conductor	Aluminum foil	1.65
4.Overall braid	Tin plated copper wire	2.10
5.Jacket	Black PE	2.79

Specifications:

Operating frequency range (GHz)	DC-6GHz
Impedance (Ω)	50 Ω
transmission speed (%)	>66%
Shielding efficiency(dB)	>90dB
Bending radius(installation) (mm)	6.40mm
Bending radius(repeated) (mm)	25.40mm
Weight (kg/m)	0.02kg/m
Operating temperature range (°C)	-55°C to+85°C
RoHS	Compliant

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Attenuation (dB/100m) typical value @ 25 °C sea level and Transmission power value

Frequency(MHz)	Attenuation(dB/100m)	Average power(kw)
30	13	0.23
50	17	0.18
150	29	0.10
220	36	0.08
450	52	0.06
900	75	0.40
1500	99	0.03
1800	109	0.03
2000	115	0.03
2500	131	0.02
5800	210	0.01
6000	214	0.01



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