

50 Ohm Coaxial Braiding Cable

RF240

PRODUCT DESCRIPTION



- The high-performance of attenuation allows coaxial cable to be used in different RF systems, such as 3G, 4G mobile communication.
- Wide range of applications, such as indoor distribution, broadcast, different base stations, wireless cellular, and others.
- Lower VSWR and perfect shielding effectiveness lead to fewer energy loss and outer interference.

CONSTRUCTION

Inner conductor	Copper wire	Φ 1.42mm
Insulation	Physically foamed PE	Φ 3.81mm
1st Outer conductor	Bonded aluminum laminated tape	
2nd Outer conductor	Tinned copper wire braid	
	Coverage: ≥90%	
Jacket	PE	Φ 6.10mm

MECHANICAL PROPERTIES

Cable length	m	305/500/1000
Min. bending radius	mm	31
Pulling strength	N	363
Adhesion Force	N	>20

ELECTRICAL PROPERTIES

Impedance	Ω	50±2
Capacitance	pF/m	79
Propagation velocity	%	84
Jacket spark test, RMS	kV	3.0
DC breakdown voltage	kV	1.5
Insulation resistance	MΩ•km	>5000
Screening attenuation	dB	>90@30~1000MHz

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ATTENUATION

Frequency MHz	Attenuation @20°C,dB/100m	Attenuation @20°C,dB/100ft
30	4.40	1.34
50	5.70	1.74
150	9.90	3.02
220	12.00	3.66
450	17.30	5.27
900	24.80	7.56
1500	32.40	9.88
1800	35.60	10.85
2000	37.70	11.49
2500	42.40	12.93

Attenuation values may have a tolerance of +5%.

STRUCTURE RETURN LOSS

5~1000MHz	dB	>23
1000~2000MHz	dB	>21
2000~2500MHz	dB	>20

STANDARDS

2011/65/EU	Compliant
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