

50 Ohm Coaxial Braiding Cable

RF400

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 clad aluminum or copper wire	Φ 2.74mm
Insulation	Physically foamed PE	Φ 7.24mm
1st Outer conductor	Bonded aluminum laminated tape	
2nd Outer conductor	Tinned copper wire braid	
	Coverage: ≥90%	
Jacket	PVC, PE or flame retardant PVC, PE	Φ 10.29mm

MECHANICAL PROPERTIES

Cable length	m	305/500/1000
Min. bending radius	mm	52
Pulling strength	N	726
Adhesion Force	N	>70

ELECTRICAL PROPERTIES

Impedance	Ω	50±2
Capacitance	pF/m	78
Propagation velocity	%	85
Jacket spark test, RMS	kV	5.0
DC breakdown voltage	kV	2.5
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	2.20	0.67
50	2.90	0.88
150	5.00	1.52
220	6.10	1.86
450	8.90	2.71
900	12.80	3.90
1500	16.80	5.12
1800	18.60	5.67
2000	19.60	5.98
2500	22.20	6.77

STRUCTURE RETURN LOSS

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

STANDARDS

2011/65/EU	Compliant
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