

PRODUCT SPECIFICATION

50 Ohm Coaxial Braiding Cable

8D-FB

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 or copper clad aluminum	Φ 2.80mm
Insulation	Physically foamed PE	Φ 7.80mm
1st Outer conductor	Bonded aluminum laminated tape	
2nd Outer conductor	Al-Mg or copper alloy braid	
	Coverage: ≥80%	
Jacket	PVC, PE or flame retardant PVC, PE	Φ 10.40mm

MECHANICAL PROPERTIES

Cable length	m	500/1000
Min. bending radius	mm	52
Pulling strength	N	726
Adhesion Force	N	>98

ELECTRICAL PROPERTIES

Impedance	Ω	50±2
Capacitance	pF/m	80
Propagation velocity	%	86
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
150	5.20	1.59
280	7.20	2.20
350	8.20	2.50
400	8.80	2.68
800	12.90	3.93
900	14.00	4.27
1200	16.70	5.09
1500	19.20	5.85
1900	22.20	6.77
2000	22.90	6.98
2200	24.30	7.41
2500	26.40	8.05
3000	29.60	9.02

STRUCTURE RETURN LOSS

5~1000MHz	dB	>23
1000~2000MHz	dB	>21
2000~3000MHz	dB	>20

STANDARDS

2011/65/EU	Compliant
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