

# PRODUCT SPECIFICATION

## 50 Ohm Coaxial Braiding Cable

### 12D-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 4.40mm
Insulation	Physically foamed PE	Φ 12.40mm
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 15.60mm

#### MECHANICAL PROPERTIES

Cable length	m	500/1000
Min. bending radius	mm	78
Pulling strength	N	800
Adhesion Force	N	>98

#### ELECTRICAL PROPERTIES

Impedance	Ω	50±2
Capacitance	pF/m	77
Propagation velocity	%	87
Jacket spark test, RMS	kV	5.0
DC breakdown voltage	kV	4.0
Insulation resistance	MΩ•km	>5000
Screening attenuation	dB	>90@30~1000MHz

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#### ATTENUATION

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Frequency MHz	Attenuation @20°C,dB/100m	Attenuation @20°C,dB/100ft
150	3.40	1.04
280	4.70	1.43
350	5.30	1.62
400	5.80	1.77
800	8.50	2.59
900	9.20	2.80
1200	10.90	3.32
1500	12.30	3.75
1900	14.30	4.36
2000	14.80	4.51
2200	15.70	4.79
2500	17.10	5.21
3000	19.30	5.88

#### STRUCTURE RETURN LOSS

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

#### STANDARDS

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2011/65/EU	Compliant
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