

FB Type

RoHS Compliant Cable

■ Feature

- Double shields (FB and FBE type) promise better shielding effect
- High stability for data transmission against aging
- PEF insulation maintains stable VSWR and low attenuation loss up to 3 GHz RF signal transmission
- Against UV, fire retardant lead-free PVC (FB and FV type), long lifespan PE (FBE type), all comply with RoHS standard

■ Application

- PHS, Mobile phone access points
- Radio communication system
- RF transmission
- RF device internal wiring
- RFID system (Access reader system)
- Radio transceiver cable

■ Construction



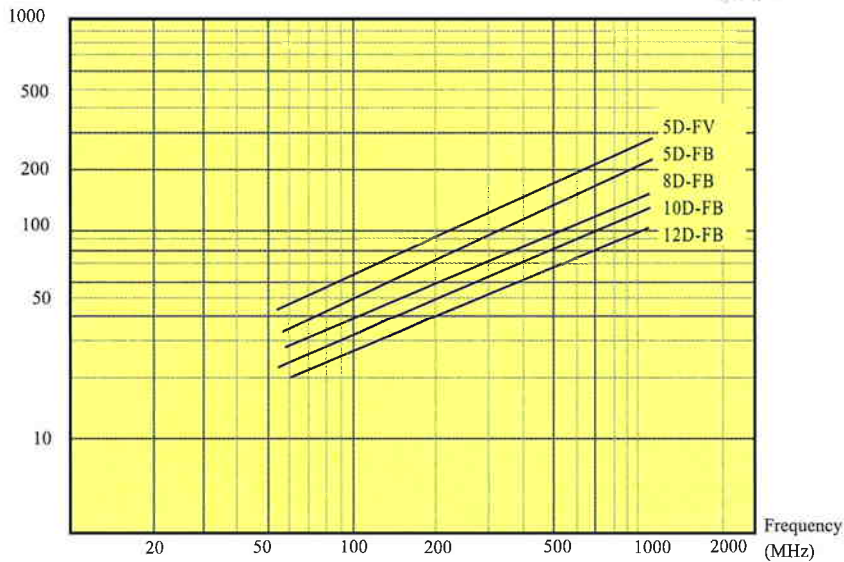
1. Inner Conductor: AC (Annealed Copper Wire)
 2. Insulation: PEF (Foamed Polyethylene)
 3. Outer Conductor 1: Doubled Sided Aluminum Tape
 4. Outer Conductor 2: TAC (Tin-plated Annealed Copper Wire Braid) for FB type
AC (Annealed Copper Wire Braid) for FV type
 5. Sheath: Lead-free PVC, -20°C ~ +70°C for FB and FV type
PE, -40°C ~ +70°C for FBE type
- Remark: EM type (LSHF sheath) available

Item Model	Inner Conductor		Insulation		Outer Conductor			Sheath				Impedance Ω	Approximate Weight kg/km
	Material	Strand / Diameter (mm)	Material	Diameter (mm)	Double Sided Aluminum Tape Diameter (mm)	Braid		Material	Standard Color	Other Color	Diameter (mm)		
						Material	Diameter (mm)						
5D-FV	AC	1/1.8	PEF	5.0	-	AC	5.7	PVC	Grey	-	7.5	50±2	66
5D-FB	AC	1/1.8	PEF	5.0	5.1	TAC	5.7	PVC	Black	White	7.5	50±2	73
8D-FB		1/2.8		7.8	7.9		8.8	PVC	Black	White	11.1	50±2	166
10D-FB		1/3.5		10.0	10.1		11.0	PVC	Black	White	13.0	50±2	235
8D-FBE	AC	1/2.8	PEF	7.8	7.9	TAC	8.8	PE	Black	-	11.1	50±2	148
10D-FBE		1/3.5		10.0	10.1		11.0	PE	Black	-	13.0	50±2	216

Remark: Max. attenuation loss is 115% of standard attenuation

■ Standard Attenuation Loss V.S. Frequency Characteristics

Attenuation Loss
(dB/km)



Model	Item	Conductor Resistance	Withstand Voltage	Electrostatic Capacity	Insulation Resistance	Standard Attenuation Loss dB/km	
		[20°C] Ω/km (Max)	AC. V/ 1 minute	nF/km	MΩ·km (Min)	400 MHz	900 MHz
5D-FV		7.05	1000	86	1000	158	253
5D-FB		7.05	1000	85	1000	131	206
8D-FB		2.86	1000	85	1000	89	142
10D-FB		1.83	1000	85	1000	70	113
8D-FBE		2.86	1000	85	1000	89	142
10D-FBE		1.83	1000	85	1000	70	113

Remark: Max. attenuation loss is 115% of standard attenuation

■ Package



■ Connector

- Variable high quality connectors available

ISO 9001 認証取得工場
日本工業規格表示許可工場



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