



FB • FV Type

RoHS compliant cable

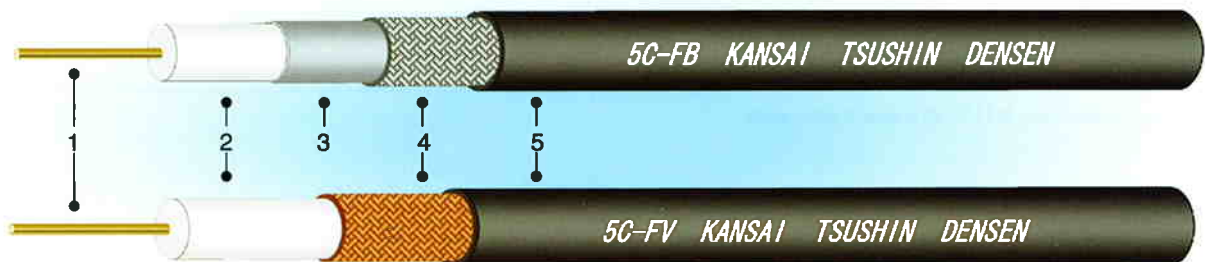
■ Feature

- 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
- Against UV, fire retardant lead-free PVC (FB and FV type), long lifespan
PE (FBE type), all comply with RoHS standard
- Comply with JCS 381 Standard (FB type)

■ Application

- CATV, MATV, CCTV indoor wiring
- TV receiver equipment and accessories

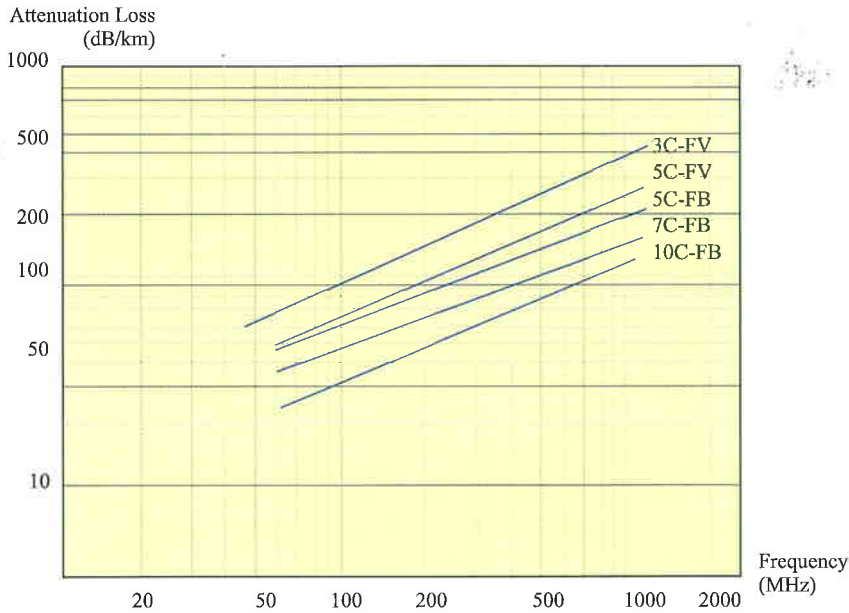
■ Construction



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

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)						
5C-FB	AC	1/1.05	PEF	5.0	5.1	TAC	5.7	PVC	Black	White	7.5	75±3	63
5C-FBE		1/1.05		5.0			5.8						
7C-FB	AC	1/1.50	PEF	7.3	7.4	TAC	8.3	PVC	Black	White	10.2	75±3	105
7C-FBE		1/1.50		7.3			8.3						
10C-FB	AC	1/2.00	PEF	9.4	10.4	TAC	10.4	PVC	Black	-	12.9	75±3	190
3C-FV	AC	1/0.65	PEF	3.1	-	AC	3.7	PVC	Black	White	5.4	75±3	35
5C-FV		1/1.05		5.0	-		5.6						

■ Standard Attenuation Loss V.S. Frequency Characteristics



■ Support Wire

Support Wire Model	Strand / Diameter (mm)
5C-FB-SSD	1.6
7C-FB-SSD	2.6
5C-FB-SSF	1.6
7C-FB-SSF	7/1.2
10C-FB-SSF	7/1.4



Model	Item	Conductor Resistance [20°C] Ω/km (Maximum)	Withstand Voltage AC. V/ 1 minute	Electrostatic Capacity nF/km	Insulation Resistance MΩ·km (Minimum)	Standard Attenuation Loss (dB/km)			
						90 MHz	220 MHz	470 MHz	770 MHz
5C-FB		21.1	1000	56	1000	60	96	145	190
5C-FBE		21.1	1000	56	1000	60	96	145	190
7C-FB		10.4	1000	56	1000	43	70	106	142
7C-FBE		10.4	1000	56	1000	43	70	106	142
10C-FB		5.65	1000	56	1000	30	49	75	101
3C-FV		54	1000	56	1000	-	160	-	320
5C-FV		21.1	1000	56	1000	-	100	-	205

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

■ Package



■ Connector

- Variable high quality connectors available

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