

SFA Type

RoHS Compliant Cable

■ Feature

- Copper tape with copper wire braid promises excellent performance at high frequency, especially for Wi-Fi and WLAN systems
- High stability for data transmission against aging
- HPEF insulation maintains stable VSWR and very low attenuation loss up to 6 GHz RF signal transmission
- Avoid noise interference
- Against UV, fire retardant lead-free PVC (SFA type), long lifespan PE (SFAE type), all comply with RoHS standard

■ Application

- Wi-Fi and WLAN systems
- PHS, Mobile phone access points
- Radio communication system
- RF transmission
- RFID system (Access reader system)

■ Construction

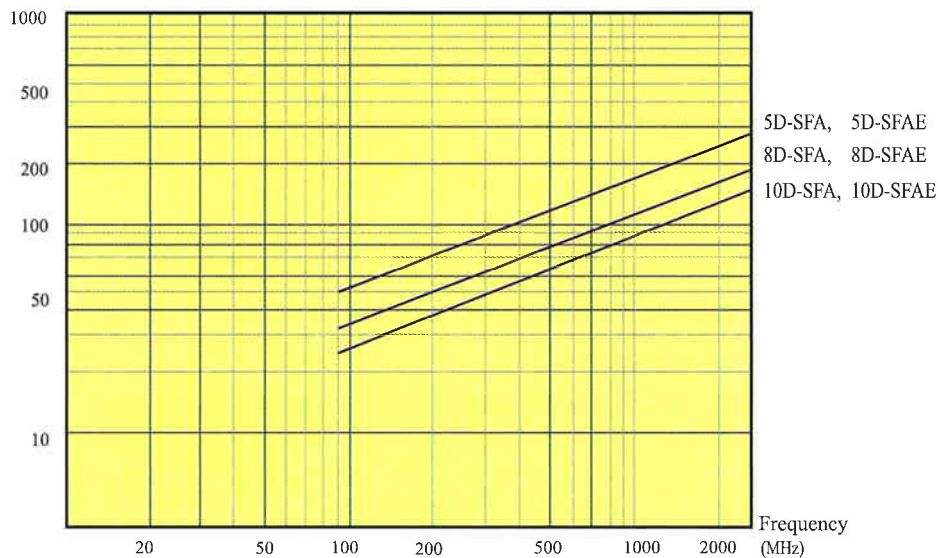


1. Inner Conductor: AC (Annealed Copper Wire)
2. Insulation: HPEF (High Foamed Polyethylene)
3. Outer Conductor 1: Copper Tape
4. Outer Conductor 2: AC (Annealed Copper Wire Braid)
5. Sheath: Lead-free PVC, -20°C ~ +70°C for SFA type
PE, -40°C ~ +70°C for SFAE type

Item / Model	Inner Conductor		Insulation		Outer Conductor 1	Outer Conductor 2		Sheath			Impedance Ω	Approximate Weight kg/km
	Material	Strand / Diameter (mm)	Material	Diameter (mm)	Copper Tape Diameter (mm)	Braid		Material	Standard Color	Diameter (mm)		
5D - SFA	AC	1/2.0	HPEF	5.3	5.4	AC	6.1	PVC	Black	7.6	50±2	82
8D - SFA		1/3.0		8.1	8.2		9.1	PVC	Black	11.1	50±2	174
10D - SFA		1/3.85		10.0	10.1		11.1	PVC	Black	13.1	50±2	250
5D - SFAE	AC	1/2.0	HPEF	5.3	5.4	AC	6.1	PE	Black	7.6	50±2	74
8D - SFAE		1/3.0		8.1	8.2		9.1	PE	Black	11.1	50±2	158
10D - SFAE		1/3.85		10.0	10.1		11.1	PE	Black	13.1	50±2	226

■ Standard Attenuation Loss V.S. Frequency Characteristics

Attenuation Loss
(dB/km)



Item Model	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	1200 MHz	1500 MHz	1900 MHz	2400 MHz	3000 MHz
5D - SFA	5.65	1000	83	1000	106	162	189	214	241	276	310
8D - SFA	2.51	1000	83	1000	72	110	131	147	167	191	218
10D - SFA	1.52	1000	83	1000	58	91	106	121	138	158	180
5D - SFAE	5.65	1000	83	1000	106	162	189	214	241	276	310
8D - SFAE	2.51	1000	83	1000	72	110	131	147	167	191	218
10D - SFAE	1.52	1000	83	1000	58	91	106	121	138	158	180

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

■ 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



関西通信電線株式会社
KANSAI TSUSHIN DENSEN CO.,LTD.

URL <http://www.kantsu.co.jp>

本社 〒665-0044 兵庫県宝塚市末成町40番7号 TEL:0797-71-2425 FAX:0797-71-2101
東京営業所 〒150-0013 東京都渋谷区恵比寿4-6-10 (恵比寿ホークビル6F) TEL:03-5421-3871 FAX:03-5421-3878
三本松工場 〒769-2601 香川県東かがわ市三本松1921番 TEL:0879-25-3161 FAX:0879-25-3162