

PRODUCT DATA SHEET

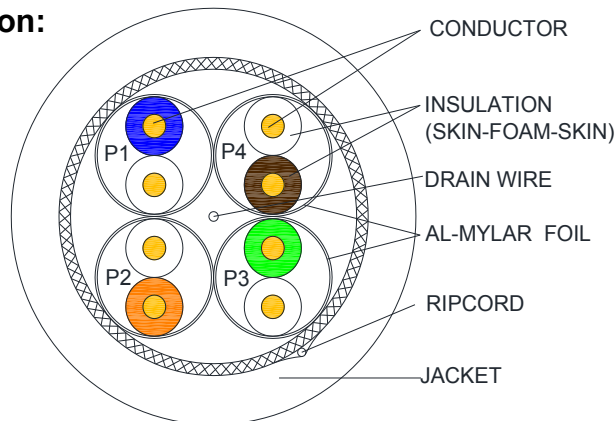
S/FTP Cat 6A Copper Cables for Indoor Applications

Type	S/FTP CAT6A 4*2*23AWG LSOH		
Application			
Suitable for structured premises cabling			
For transmission of digital and analogue voice and data signals.			
Especially suitable for all Class E _A applications.			
ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000Base-T, 10G Base-T. (IEEE 802.3)			
Token Ring 4/16Mbit/s, TP-PMD/TP/DDI 125Mbit/s, ATM 155Mbit/s. (IEEE 802.5)			
Standard			
IEC/ISO 61156-5			
ANSI/TIA568C.2			
ISO/IEC 11801			
Construction			
Conductors	Material	-----	Solid Bare Copper
	Conductors Size	mm	0.56+/-0.008
Insulation	Material	-----	PE(Skin-Foam-Skin)
	Diameter	mm	1.36+/-0.05
	Average Thickness	mm	0.40+/-0.05
Assembly	Direction	-----	S
	No. of Insulation	Pair	4
Shielding	Material	-----	Al-Foil Screeneed
Drain Wire	Material	-----	26AWG TC
Braid	Material	mm	16*6*0.12 ALM
Jacket	Material	-----	LSOH
	Diameter	mm	7.8+/-0.3
	Average Thickness	mm	0.65+/-0.1
	Flame Rate	-----	-----

Electrical characteristics			
1. Impedance	4 - 100MHz 100±15 (ohms)	5. Transfer Impedance	Max100 mohms/m@100MHz
	100 - 200MHz 100±22 (ohms)	6 Coupling Attenuation	Min 41 dB
	200 - 500MHz 100±32 (ohms)	7. Installation temperature	0~50°C
2. Max. Conductor DC Resistance 20°C 93.8(ohms/km)		8. Operation temperature -20~60°C	
3. Resistance unbalance (%) max 2.5			
4. Pair-to-Ground Capacitance Unbalance 330 (pF/100m)			

Nominal Transmission Characteristics								
Frequency	Min. RL	Min. IL	Max. DOP	Max. SKEW	Min. NEXT	Min. PSNEXT	Min. ACR-F	Min. PSACR-F
(MHz)	(dB)	(dB/100M)	(ns/100M)	(ns/100M)	(dB)	(dB)	(dB/100M)	(dB/100M)
1	20.0	2.1	570	45	74.3	72.3	67.8	64.8
4	23.0	3.8	552	45	65.3	63.3	55.8	52.8
10	25.0	5.3	545	45	59.3	57.3	47.8	44.8
16	25.0	7.5	543	45	56.2	54.2	43.7	40.7
20	25.0	8.4	542	45	54.8	52.8	41.8	38.8
31.25	23.6	10.5	540	45	51.9	49.9	37.9	34.9
62.5	21.5	15.0	539	45	47.4	45.4	31.9	28.9
100	20.1	19.1	538	45	44.3	42.3	27.8	24.8
200	18.0	27.6	537	45	39.8	37.8	21.8	18.8
300	17.3	34.3	536	45	37.1	35.1	18.3	15.3
400	17.3	40.1	536	45	35.3	33.3	15.8	12.8
500	17.3	45.3	536	45	33.8	31.8	13.8	10.8

construction:



core:

- P1: White/Blue
- P2: White/Orange
- P3: White/Green
- P4: White/Brown

Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested