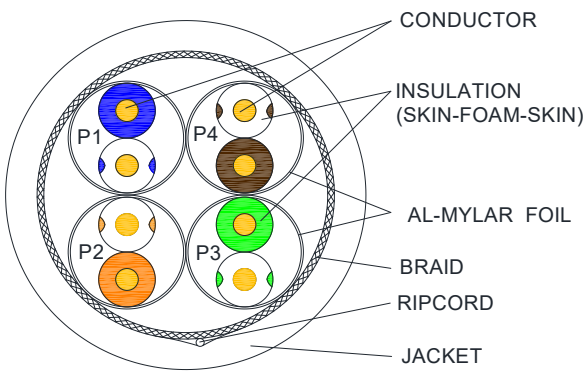


PRODUCT DATA SHEET			
S/FTP Cat 6 Copper Cables for Indoor Applications			
Type	S/FTP CAT6 4*2*23AWG LSZH		
Application			
Suitable for structured premises cabling			
For transmission of digital and analogue voice and data signals.			
Especially suitable for all Class E applications.			
ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000Base-T. (IEEE 802.3)			
Token Ring 4/16Mbit/s, TP-PMD/TP/DDI 125Mbit/s, ATM 155Mbit/s. (IEEE 802.5)			
Standard			
IEC 61156-5			
ANSI/TIA-568.2-D			
ISO/IEC 11801			
Construction			
Conductors	Material	-----	Solid Bare Copper
	Conductors Size	mm	0.56+/-0.01
Insulation	Material	-----	PE(Skin-Foam-Skin)
	Diameter	mm	1.32+/-0.05
	Average Thickness	mm	0.38+/-0.05
Cabling	Direction	-----	S
	No. of Insulation	Pair	4
Shielding	Material	-----	Al-Foil Screened
Drain wire	Material	-----	-----
Braid	Material	-----	16*6*0.10TC
Jacket	Material	-----	LSZH
	Diameter	mm	7.5+/-0.3
	Average Thickness	mm	0.60+/-0.1
	Flame Rate	-----	-----

Electrical characteristics			
1.Impedance	1 - 250MHz 100±15 (ohms)	5.Transfer Impedance	Max100 mohms/m@100MHz
2.Max. Conductor DC Resistance 20°C	93.8(ohms/km)	6 Coupling Attenuation	70 dB
3.Resistance unbalance (%) max	2.5	7.Installation temperature	0~50°C
4.Pair-to-Ground Capacitance Unbalance ≤330 (pF/100m)		8.Operation temperature	-20~60°C

Nominal Transmission Characteristics								
Frequence (MHz)	Min.	Max.	Max.	Max.	Min.	Min.	Min.	Min.
	RL	IL	PD	SKEW	NEXT	PSNEXT	ACR-F	PSACR-F
	(dB/100M)	(dB/100M)	(ns/100M)	(ns/100M)	(dB/100M)	(dB/100M)	(dB/100M)	(dB/100M)
1	20.0	2	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	6.0	545	45	59.3	57.3	47.8	44.8
16	25.0	7.6	543	45	56.2	54.2	43.7	40.7
20	25.0	8.5	542	45	54.8	52.8	41.8	38.8
31.25	23.6	10.7	540	45	51.9	49.9	37.9	34.9
62.5	21.5	15.4	539	45	47.4	45.4	31.9	28.9
100	20.1	19.8	538	45	44.3	42.3	27.8	24.8
200	18.0	29.0	537	45	39.8	37.8	21.8	18.8
250	17.3	32.8	536	45	38.3	36.3	19.8	16.8

construction:



core:

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

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