

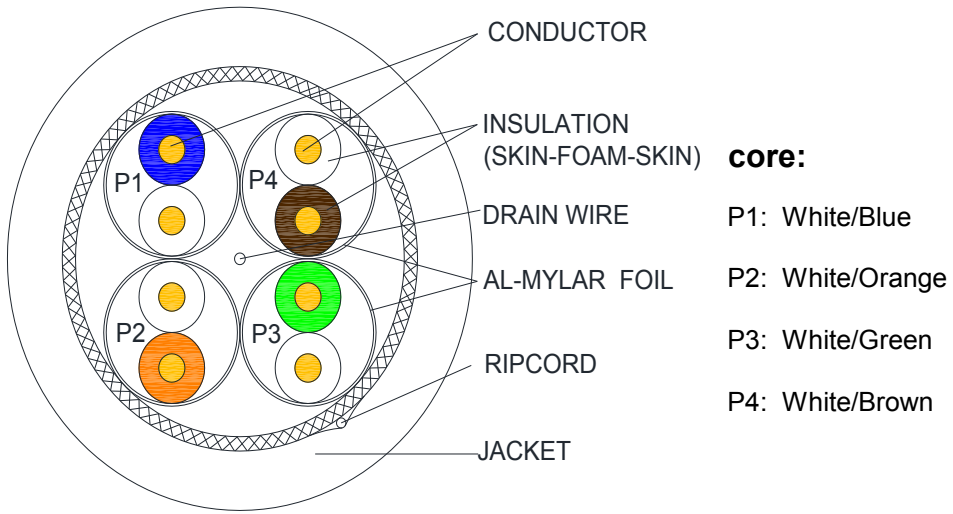
PRODUCT DATA SHEET

S/FTP Cat 7 Copper Cables for Indoor Applications

Type	S/FTP CAT7 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 F applications.			
ISDN,Ethernet 10 Base-T,Fast Ethernet 100 Base-T,Gigabit Ethernet 1000Base-T ,10G Base-T.(IEEE 802.3)			
Token Ring4/16Mbit/s,TP-PMD/TP/DDI 125Mbit/s,ATM 155Mbit/s.(IEEE 802.5)			
Standard			
IEC/ISO 61156-5			
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 Screened
Drain Wire	Material	-----	26AWG TC
Braid	Material	-----	ALM braideddensity≥40%
Jacket	Material	-----	LSZH
	Diameter	mm	7.6+/-0.3
	Average Thickness	mm	0.60+/-0.1
	Color	-----	-----
	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 - 600MHz 100±32 (ohms)			7.Installation temperature		0~50°C		
2.Max. Conductor DC Resistance 20°C93. 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								
Frequence	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)
4	23.0	3.7	552	25	78.0	75.0	78.0	75.0
8	24.5	5.2	547	25	78.0	75.0	77.2	74.2
10	25.0	5.9	545	25	78.0	75.0	75.3	72.3
16	25.0	7.4	543	25	78.0	75.0	71.2	68.2
20	25.0	8.3	542	25	78.0	75.0	69.3	66.3
25	24.3	9.3	541	25	78.0	75.0	67.3	64.3
31.25	23.6	10.4	540	25	78.0	75.0	65.4	62.4
62.5	21.5	14.9	539	25	75.5	72.5	59.4	56.4
100	20.1	19.0	538	25	72.4	69.4	55.3	52.3
200	18.0	27.5	537	25	67.9	64.9	49.3	46.3
250	17.3	31.0	536	25	66.4	63.4	47.3	44.3
300	17.3	34.2	536	25	65.2	62.2	45.8	42.8
400	17.3	40.0	536	25	63.4	60.4	43.3	40.3
500	17.3	45.3	536	25	61.9	58.9	41.3	38.3
600	17.3	50.1	535	25	60.7	57.7	39.7	36.7

construction:



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