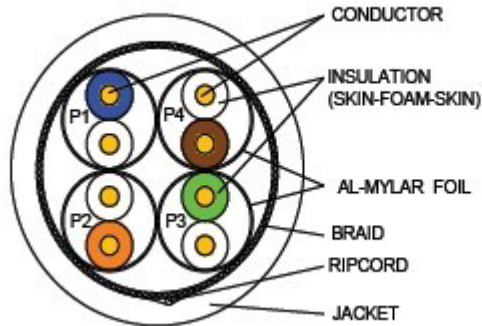


Nominal Transmission Characteristics								
Frequency	RL	IL	Propagation Delay	Delay Skew	NEXT	PSNEXT	ELFEXT	PSELFEXT
(MHz)	(dB)	(dB/100M)	(ns)	(ns)	(dB)	(dB)	(dB)	(dB)
4	23.0	na	552	25	78.0	75.0	78.0	75.0
8	24.5	na	547	25	78.0	75.0	77.2	74.2
10	25.0	6.4	545	25	78.0	75.0	75.3	72.3
16	25.0	7.9	543	25	78.0	75.0	71.2	68.2
20	25.0	8.8	542	25	78.0	75.0	69.3	66.3
25	24.3	9.8	541	25	78.0	75.0	67.3	64.3
31.25	23.6	10.9	540	25	78.0	75.0	65.4	62.4
62.5	21.5	15.4	539	25	75.5	72.5	59.4	56.4
100	20.1	19.5	538	25	72.4	69.4	55.3	52.3
200	18.0	28.5	537	25	67.9	64.9	49.3	46.3
250	17.3	32.0	536	25	66.4	63.4	47.3	44.3
300	17.3	35.2	536	25	65.2	62.2	45.8	42.8
400	17.3	41.0	536	25	63.4	60.4	43.3	40.3
500	17.3	46.3	536	25	61.9	58.9	41.3	38.3
600	17.3	51.1	535	25	60.7	57.7	39.7	36.7
700	na	56.6	535	25	59.7	56.7	na	na
800	na	60.9	535	25	58.9	55.9	na	na
900	na	65.0	535	25	58.1	55.1	na	na
1000	na	68.9	535	25	57.4	54.4	na	na

S/FTP Cat 7 Copper Cables for Indoor Applications

Type	S/FTP CAT7 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 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			
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	1.38+/-0.05
	Average Thickness	mm	0.41+/-0.05
Assembly	Direction	-----	S
	No. of Insulation	Pair	4
Shielding	Material	-----	Al-Foil Screened
Braid	Material	-----	Tinned copper
	Material	-----	GRAY PVC LSOH
Jacket	Diameter	mm	8.2+/-0.3
	Average Thickness	mm	0.65+/-0.1
	Color	-----	RAL4005
	Marking color	-----	BLACK

construction:



core:

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

Electrical characteristics			
1. Impedance	4 - 100MHz 100±15 (ohms)	5. Transfer Impedance	Max10 mohms/m@100MHz
	100 - 200MHz 100±22 (ohms)	6 Coupling Attenuation	Min 80 dB
	200 - 1000MHz 100±32 (ohms)	7. Installation temperature	0~50°C
2. Max. Conductor DC Resistance 20°C	87(ohms/km)	8. Operation temperature	-20~60°C
3. Resistance unbalance (%) max	2.5		
4. Pair-to-Ground Capacitance Unbalance	330 (pF/100m)		

APPROVED	CHECKED	DRAWN	CUSTOMER:	
			ITEM NO.	TP-70
			DRAW NO.	
			UNIT	mm
			SCALE	NONE

DESCRIPTION:

S/FTP CAT 7 INSTALLATION CABLE 100m
(GRAY) LSOH

