



PRODUCT DATA SHEET			
S/FTP Cat7A Copper Cables for Indoor Applications			
Type	S/FTP CAT7A 4*2*23AWG LSZH - RAL 1021 Yellow		
Application			
Suitable for structured premises cabling,			
For transmission of digital and analogue voice and data signals.			
Especially suitable for all Class Fa applications, PoE, PoE+ and PoE++			
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/TIA 568-C.2 - ISO/IEC 11801 - EN50173			
Packaging			
500 mtr drum, weight 34 kg, dimensions 45x45x37 cm			
Construction			
Conductors	Material	-----	Solid Bare Copper
	Conductors Size	mm	0.58+/-0.01
Insulation	Material	-----	PE(Skin-Foam-Skin)
	Diameter	mm	1.38+/-0.05
	Average Thickness	mm	0.40+/-0.05
Assembly	Direction	-----	S
	No. of Insulation	Pair	4
Shielding	Material	-----	Al-Foil Screneed
Drain wire	Material	-----	26AWG TC
Braid	Material	-----	16*6*0.12ALM
Jacket	Material	-----	LSZH
	Diameter	mm	7.7+/-0.3
	Average Thickness	mm	0.60+/-0.1
	Flame Rate	-----	EN50575 B2ca s1a,d1,a1
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 80 dB
	200-1000MHz 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)			

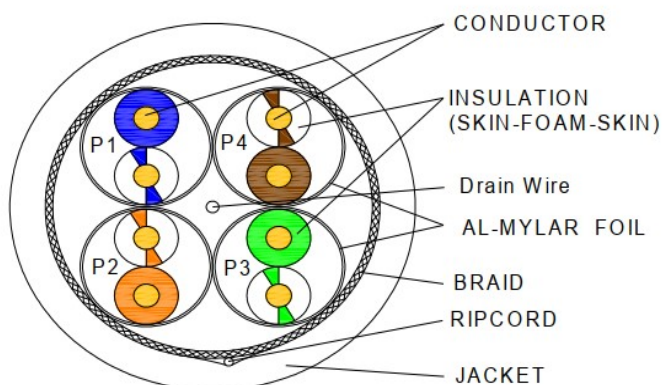
Order Information : order code TLQC7ASFB2 - 500 mtr EAN code : 5904014201888

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Nominal Transmission Characteristics

Frequency (MHz)	Min. RL (dB)	Min. IL (dB/100M)	Max. DOP (ns/100M)	Max. SKEW (ns/100M)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACR-F (dB/100M)	Min. PSACR-F (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	5.8	545	25	78.0	75.0	75.3	72.3
16	25.0	7.3	543	25	78.0	75.0	71.2	68.2
20	25.0	8.2	542	25	78.0	75.0	69.3	66.3
25	24.3	9.2	541	25	78.0	75.0	67.3	64.3
31.25	23.6	10.3	540	25	78.0	75.0	65.4	62.4
62.5	21.5	14.6	539	25	75.5	72.5	59.4	56.4
100	20.1	18.5	538	25	72.4	69.4	55.3	52.3
200	18.0	26.5	537	25	67.9	64.9	49.3	46.3
250	17.3	29.7	536	25	66.4	63.4	47.3	44.3
300	17.3	32.7	536	25	65.2	62.2	45.8	42.8
400	17.3	38.0	536	25	63.4	60.4	43.3	40.3
500	17.3	42.8	536	25	61.9	58.9	41.3	38.3
600	17.3	47.1	535	25	60.7	57.7	39.7	36.7
700	na	51.1	535	25	59.7	56.7	na	na
800	na	54.9	535	25	58.9	55.9	na	na
900	na	58.5	535	25	58.1	55.1	na	na
1000	na	61.9	535	25	57.4	54.4	na	na

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