

PRODUCT DATA SHEET

U/FTP Cat 6A Copper Cables for Indoor Applications

Type	U/FTP CAT6A 2*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	1.38+/-0.05
	Average Thickness	mm	0.41+/-0.05
Assembly	Direction	-----	S
	No. of Insulation	Pair	4
Shielding	Material	-----	Al-Foil Screened
Drain wire	Material	-----	0.40±0.005mm TC
Jacket	Material	-----	LSOH
	Diameter	mm	7.8+/-0.3
	Average Thickness	mm	0.65+/-0.1
	Color	-----	RAL4005
	Marking color	-----	BLACK

Attention: the diameter is the nominal diameter
Revision Number : 6.4 Revision Date : 8-16-2016
We reserve the right to alter this specification without notice .

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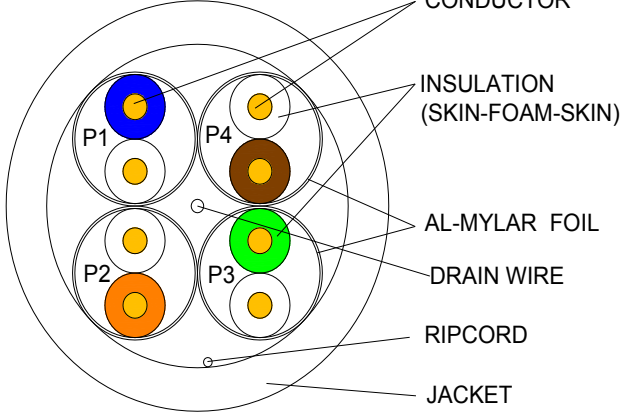
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Electrical characteristics								
1.Impedance	4 - 100MHz 100±15 (ohms)		5.Transfer Impedance		Max10 mohms/m@100MHz			
	100 - 200MHz 100±22 (ohms)		6 Coupling Attenuation		Min 80 dB			
	200 - 1000MHz 100±32 (ohms)		7.Installation temperature		0~50°C			
2.Max. Conductor DC Resistance 20°C		84(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)
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

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Type	U/FTP CAT6A 2*4*2*23AWG LSOH
construction:	 <p>core: P1: White/Blue P2: White/Orange P3: White/Green P4: White/Brown</p>
Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested	