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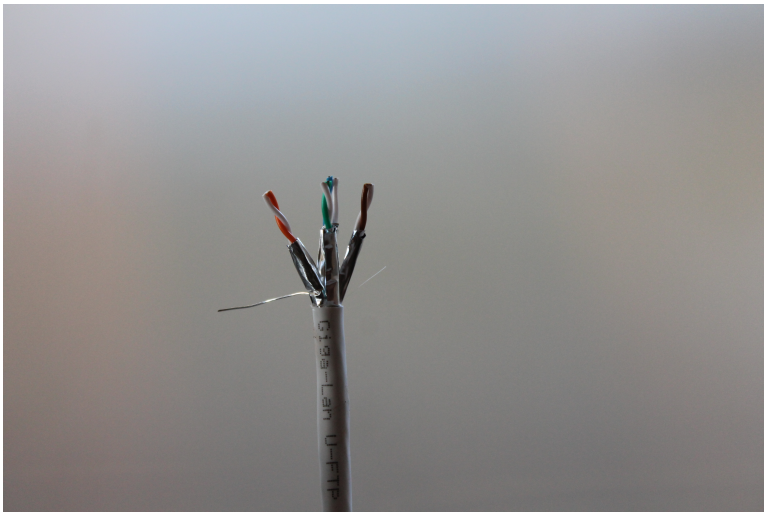
Smartere datakabling fra ende til anden

U-FTP Datakabel 4x2xAWG23 Kategori 6A



Specifikation

- Kategori 6A U/FTP
- Transmissionshastighed: 10Gbps
- Frekvens: 500 MHz
- Impedans: 100 +/- 15 ohm
- NVP værdi: 74 %
- EMC klasse: D
- Antal par. 4 par
- Leder: AWG23 massiv kobber
- Lederisolation: PE
- Kappe: LSZH hvid
- Skærm: Folie individuel
- Standard: EIA/TIA 568B.
  ISO/IEC 11801. EN 50173-2
- Oplægning: Tromle 500 mtr.

Anvendelse

Anvendes til højhastighedskabelsystemer hvor behovet for stor datatrafik er tilstede. Speciel egnet i støjfyldte miljøer eller hvor pladsen i føringsveje er trængte.

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TECHNICAL DATA SHEET

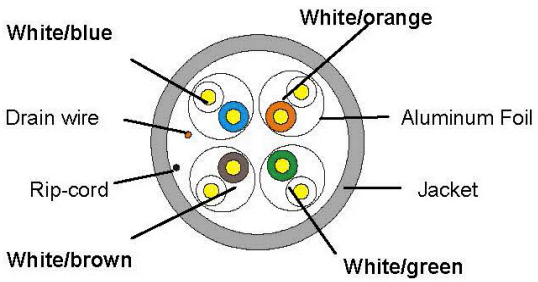
U/FTP 4Pairs cable-category 6A-LSZH Sheath

P/N: ZL-094-C6A-001-00

Date	Author	Review	Approve	Version	Revision Declaration
2013-08-21				A0	LAN-COM A/S

Content of the Data Sheet

Sheath Printing	It will be printed as customer's requirement with batch produce.			
Category	U/FTP- CAT6A-4P-LSZH			
Test Standard	ISO/IEC11801、TIA-568-C.2 、 YD/T1019			
Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	0.560	up	+0.005
			down	-0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05 mm		
Screening Material	Aluminum Foil	Drain wire	TC 0.45mm	
Sheath	Thickness	0.55±0.05 mm		
	External O.D.	7.3±0.5 mm		
	Surface	Clean		
	Material	LSZH (RoHS)		
	Color	According to the requires		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±0.5%, 1m		
Core Color (With striped color)	1 White/Blue		2 White/Orange	
	3 White/Green		4 White/Brown	
Packing	Wooden Tray			
Wooden Tray dimension	According to the requires			
Packing length	500 M			
Rip-cord	Yes			
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0 Elongation (%) ≥125			
	Aging Period (℃×hrs) 100℃×24h×7d			
	After Aging Tensile Strength (Mpa) ≥ 8.0 Elongation (%) ≥100			
	Cold bend (-20±2℃×4h) 8×Cable O.D., No visible cracks			
Electrical Characteristics (20℃)	Delay Shew (ns/100m) ≤45			
	Velocity of Propagation (%) 68			
	unbalanced-to-ground capacitance (pf/100m) max 330			
	DC Resistance (Ω/100m) max 9.38			
	DC Conductor Resistance Unbalance (%) max 2.0			



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	2.1	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	58.8	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	51.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0
300	35.1	18.5	15.5
500	31.8	14.0	11.0