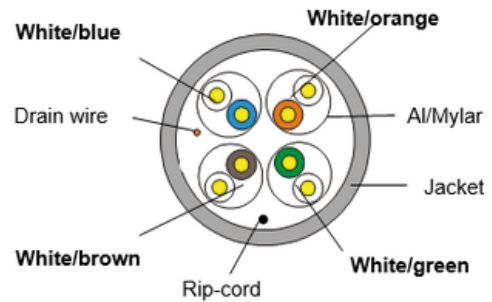


Laatuantenni Cat6A U/FTP Simplex Dca

Sähkönumero 0232556

Content of the Data Sheet									
Sheath Printing	LA - Cat6A 1xU/FTP LSZH EC500 Dca-s2,d2,a1 NVP 78% xxxm xxweek/xyyear								
Customer No.									
Category	SD U/FTP- CAT6A-4P-LSZH(Dca,s1,d2,a1)								
Reference Standard	ISO/IEC11801、ANSI/TIA-568.2-D								
Conductor	Material	SOLID-Bare Copper							
	Nom.O.D.(mm)	0.560	up	+0.005	down	-0.005			
Insulation	Material	Skin-foam-skin PE							
	Diameter	1.30±0.05 mm							
Screening Material	Al/Mylar	Drain wire	Yes						
Sheath	Thickness	0.55±0.1 mm							
	External O.D.	7.0±0.5 mm							
	Surface	Clean							
	Material	LSZH(complies RoHS)							
	Color	Lila							
Surface Printing	Letter height	3.0±0.3mm							
	Color	Black							
	Print error & Space	≤±0.5%, 1m							
	Core Color	1 White/Blue	2 White/Orange						
	3 White/Green	4 White/Brown							
Packing	Drum								
Packing length	305±1.5m								
Rip-cord	Yes								
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0							
	Elongation(%)	≥125							
	Aging Period (°C×hrs)	100°C×24h×7d							
	After Aging Tensile Strength(Mpa)	≥8.0							
	Elongation(%)	≥100							
	Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks								
Electrical Characteristics (20°C)	Impedance(Ω)	1.0-250.0MHz	100±15						
		250.0-500.0MHz	100±22						
	1.0-500.0MHz Delay Skew (ns/100m)	≤45							
	unbalanced-to-ground capacitance(pf/km)max	1600							
	DC Resistance (Ω/km) max	93.8							
	Resistance Unbalance within a pair (%) max	2.0							
Reaction to fire Classification: Dca,s1,d2,a1									
Acceptance criterion: FLUKE Permanent link test 90m, pass									
Version	A/01	Date	2019-08-15	Revised By	Caihanglie	Audited By	Yaoyunxiang	Approved By	Wangdequan



Technical Performance (100m):				
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	—	74.3	570
4.0	23.0	3.8	65.3	552
8.0	24.5	5.3	60.8	547
10.0	25.0	5.9	59.3	545
16.0	25.0	7.5	56.2	543
20.0	25.0	8.4	54.8	542
25.0	24.3	9.4	53.3	541
31.25	23.6	10.5	51.9	540
62.5	21.5	15.0	47.4	539
100	20.1	19.1	44.3	538
200	18.0	27.6	39.8	537
250	17.3	31.1	38.3	536
300	16.8	34.3	37.1	536
400	15.9	40.1	35.3	536
500	15.2	45.3	33.8	536

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	51.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8
300	35.1	18.3	15.3
400	33.3	15.8	12.8
500	31.8	13.8	10.8