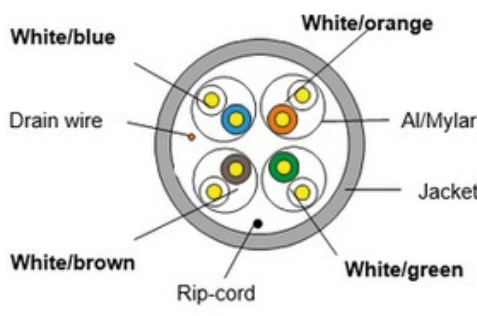


Laatuantenni Cat6A U/FTP Simplex Cca

Sähkönumero 0232560

Content of the Data Sheet										
Sheath Printing	LA - Cat6A 1xU/FTP LSZH EC500 Cca-s1a,d1,a1 NVP 78% xxxm xxweek/xyyear									
Customer No.										
Category	SD U/FTP- CAT6A-4P-LSZH(Cca-s1a,d1,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	1.29±0.05 mm								
Screening Material	Al/Mylar	Drain wire	Yes							
Sheath	Thickness	0.70±0.1 mm								
	External O.D.	7.4±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	330							
DC Resistance (Ω/km) max		9.38								
DC Conductor Resistance Unbalance (%) max		5.0								
Reaction to fire Classification		Cca,s1a,d1,a1								
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	36.8
62.5	45.4	31.9	34.9
100	42.3	27.8	28.9
200	37.8	21.8	24.8
250	36.3	19.8	18.8
300	35.1	18.3	16.8
400	33.3	15.8	15.3
500	31.8	13.8	12.8