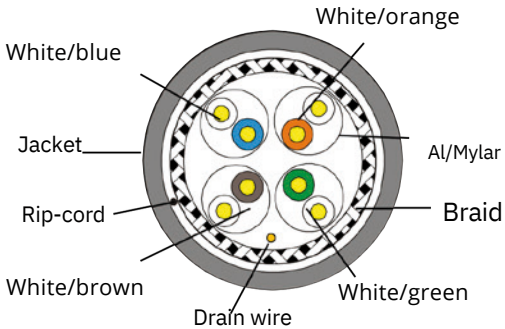
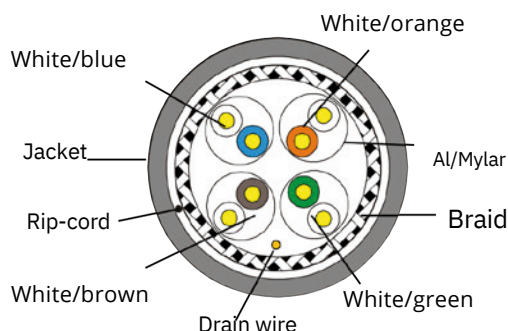


Laatuantenni Cat7A S/FTP Simplex Dca

Sähkönumero 0232550

Content of the Data Sheet											
Sheath Printing	LA - Cat7A 1xS/FTP LSZH EC1000 Cca,s1a,d1,a1 NVP 74% xxxm xxweek/xyyear										
Customer No.											
Category	S/FTP-CAT7A-4P-LSZH-AM30(Cca-s1a,d1,a1)										
Reference Standard	ISO/IEC 61156-5;EN 50288-4										
Conductor	Material	SOLID-Bare Copper									
	Nom.O.D.(mm)	0.560	up down								+0.005 -0.005
Insulation	Material	Skin-foam-skin PE									
	Diameter	1.330±0.05 mm									
Inner Screening Material	Al/Mylar	Drain wire		TC 0.40mm							
Outer Screening Material	Aluminum-magnesium alloy		Coverage	≥30%							
Sheath	Thickness	0.55±0.05 mm			Technical Performance (100m):						
	External O.D.	7.6±0.5 mm			Frequency RL (MHz)	≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns		
	Surface	Clean			1.0	20.0	—	78.0	570.0		
	Material	FR-LSZH(complies RoHS)			4.0	23.0	3.74	78.0	552.0		
	Color	Orange			8.0	24.5	5.24	78.0	546.7		
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.86	78.0	545.4		
	Color	Black			16.0	25.0	7.41	78.0	543.0		
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.29	78.0	542.0		
					25.0	24.3	9.29	78.0	541.2		
Core Color	1 White/Blue	2 White/Orange			31.25	23.6	10.41	78.0	540.4		
	3 White/Green	4 White/Brown			62.5	21.5	14.88	75.5	538.6		
Packing	Drum			100	20.1	19.02	72.4	537.6			
Wooden Tray dimension	According to the requires			150	18.9	23.56	69.8	536.9			
Packing length	500m ± 1.0m			200	18.0	27.47	67.9	536.5			
Rip-cord	Yes			250	17.3	30.97	66.4	536.3			
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0			300	17.3	34.19	65.2	536.1			
	Elongation (%) ≥125			600	17.3	50.10	60.7	535.5			
	Aging Period (°C×hrs) 100°C×24h×7d			700	14.2	54.63	59.7	535.4			
	After Aging Tensile Strength (Mpa) ≥8.0			1000	13.1	66.93	57.3	535.1			
	Elongation (%) ≥100										
Electrical Characteristics (20°C)	Cold bend (-20±2°C×4h) 8×Cable O.D., No visible cracks			Frequency	PSNEXT	ELFEXT	PSELFEXT				
	Impedance(Ω) : (1-100MHz) 100±15Ω			(MHz)	≥dB	≥dB	≥dB				
	(100-250MHz) 100±18Ω			1	75.0	78.0	75.0				
	(250-1000MHz) 100±25Ω			4	75.0	78.0	75.0				
	Delay Skew (ns/100m) ≤25			8	75.0	75.9	72.9				
	Velocity of Propagation (%) 74			10	75.0	74.0	71.0				
	unbalanced-to-ground capacitance (pf/100m) max 330			16	75.0	69.9	66.9				
	DC Resistance (Ω/100m) max 9.38			20	75.0	68.0	65.0				
DC Conductor Resistance Unbalanc (%) max 2.0			25	75.0	66.0	63.0					
Reaction to fire Classification : Cca,s1a,d1,a1				31.25	75.0	64.1	61.1				
Version	A/01	Date	2022-02-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua		



Technical Performance (100m):				
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1.0	20.0	—	78.0	570.0
4.0	23.0	3.74	78.0	552.0
8.0	24.5	5.24	78.0	546.7
10.0	25.0	5.86	78.0	545.4
16.0	25.0	7.41	78.0	543.0
20.0	25.0	8.29	78.0	542.0
25.0	24.3	9.29	78.0	541.2
31.25	23.6	10.41	78.0	540.4
62.5	21.5	14.88	75.5	538.6
100	20.1	19.02	72.4	537.6
150	18.9	23.56	69.8	536.9
200	18.0	27.47	67.9	536.5
250	17.3	30.97	66.4	536.3
300	17.3	34.19	65.2	536.1
600	17.3	50.10	60.7	535.5
700	14.2	54.63	59.7	535.4
1000	13.1	66.93	57.3	535.1

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	75.0	78.0	75.0
4	75.0	78.0	75.0
8	75.0	75.9	72.9
10	75.0	74.0	71.0
16	75.0	69.9	66.9
20	75.0	68.0	65.0
25	75.0	66.0	63.0
31.25	75.0	64.1	61.1
62.5	72.5	58.1	55.1
100	69.4	54.0	51.0
150	66.8	50.2	47.2
200	64.9	48.0	45.0
250	63.4	46.0	43.0
300	62.2	44.5	41.5
600	57.7	38.4	35.4
700	56.7	37.1	34.1
1000	54.4	34.0	31.0