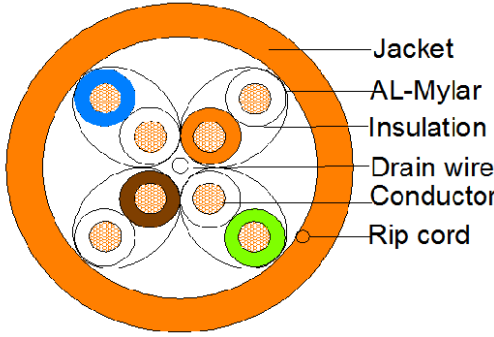


Cat.6A U/FTP Installation Cable

P/N: 404544

Content of the Data Sheet

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Sheath Printing	TBD									
Customer No.		Customer Reference								
Category	SD U/FTP- CAT6A-4P-LSZH									
Reference Standard	ISO/IEC11801 、ANSI/TIA-568-C.2									
Conductor	Material	SOLID-Bare Copper								
	Nom.O.D.(mm)	0.550	up							+0.005
down			-0.005							
Insulation	Material	Skin-foam-skin PE								
	Diameter	1.28±0.05 mm								
Screening Material	Al/Mylar	Drain wire	Yes							
Sheath	Thickness	0.5±0.05 mm			Technical Performance (100m) :					
	External O.D.	6.8±0.5 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
	Surface	Clean			1	20.0	—	74.3	570	
	Material	LSZH(complies RoHS)			4.0	23.0	3.8	65.3	552	
	Color	TBD	8.0	24.5	5.3	60.8	547			
			10.0	25.0	5.9	59.3	545			
Surface Printing	Letter height	3.0±0.3mm			16.0	25.0	7.5	56.2	543	
	Color	Black			20.0	25.0	8.4	54.8	542	
	Print error & Space	≤±0.5%, 1m	25.0	24.3	9.4	53.3	541			
			31.25	23.6	10.5	51.9	540			
Core Color	1 White/Blue	2 White/Orange			62.5	21.5	15.0	47.4	539	
	3 White/Green	4 White/Brown			100	20.1	19.1	44.3	538	
					200	18.0	27.6	39.8	537	
Packing	Drum				250	17.3	31.1	38.3	536	
Packing length	305±1.5m				300	16.8	34.3	37.1	536	
Rip-cord	Yes				400	15.9	40.1	35.3	536	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0			500	15.2	45.3	33.8	536	
	Elongation(%)	≥125			Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		
	Aging Period (℃×hrs)	100℃×24h×7d			1	72.3	67.8	64.8		
	After Aging Tensile Strength(Mpa)	≥8.0			4	63.3	55.8	52.8		
	Elongation(%)	≥100			8	58.8	49.7	46.7		
	Cold bend(-20±2℃×4h)	8×Cable O.D., No visible cracks			10	57.3	47.8	44.8		
Electrical Characteristics (20℃)	Impedance(Ω)	1.0-250.0MHz	100±15		16	54.2	43.7	40.7		
		250.0-500.0MHz	100±22		20	52.8	41.8	38.8		
	1.0-500.0MHz Delay Skew (ns/100m)	≤45			25	51.3	39.8	36.8		
	unbalanced-to-ground capacitance(pf/km)max	1600			31.25	49.9	37.9	34.9		
	DC Resistance (Ω/km) max	93.8			62.5	45.4	31.9	28.9		
	Resistance Unbalance within a pair (%) max	4.0			100	42.3	27.8	24.8		
Acceptance criterion: FLUKE Permanent link test 90m, pass										
Version	A/02	Date	2019-04-15	Revised By	Zhangkun	Audited By	Yaoyunxiang	Approved By	Wangdequan	