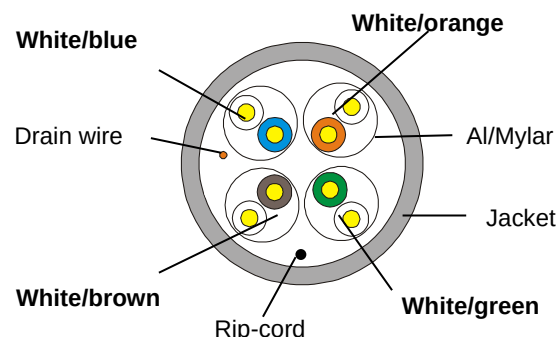


Cat.6A U/FTP Installation Cable

P/N: 404546

Content of the Data Sheet

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Sheath Printing	TBD								
Customer No.		Customer Reference							
Category	U/FTP- CAT6A-4P-LSZH(Dca)								
Reference Standard	ISO/IEC11801 、 TIA-568-C.2								
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	Al/Mylar	Drain wire	Yes						
Sheath	Thickness	0.55±0.05 mm			Technical Performance (100m) :				
	External O.D.	7.3±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
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.9	59.3	545
	Color	Black			16.0	25.0	7.5	56.2	543
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.4	54.8	542
					25.0	24.3	9.4	53.3	541
Core Color	1 White/Blue	2 White/Orange			31.25	23.6	10.5	51.9	540
	3 White/Green	4 White/Brown			62.5	21.5	15.0	47.4	539
Packing	Drum				100	20.1	19.1	44.3	538
Packing length	305±1.5m				200	18.0	27.6	39.8	537
Rip-cord	Yes				250	17.3	31.1	38.3	536
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0			300	16.8	34.3	37.1	536
	Elongation(%)	≥125			400	15.9	40.1	35.3	536
	Aging Period (℃×hrs)	100℃×24h×7d			500	15.2	45.3	33.8	536
	After Aging Tensile Strength(Mpa)	≥8.0			Frequency PSNEXT ELFEXT PSELFEXT				
	Elongation(%)	≥100			(MHz)	≥dB	≥dB	≥dB	
Electrical Characteristics (20℃)	Cold bend(-20±2℃×4h)	8×Cable O.D., No visible cracks			1	72.3	67.8	64.8	
	Impedance(Ω)	1.0-250.0MHz	100±15		4	63.3	55.8	52.8	
		250.0-500.0MHz	100±22		8	58.8	49.7	46.7	
	1.0-500.0MHz Delay Skew (ns/100m)	≤45			10	57.3	47.8	44.8	
	unbalanced-to-ground capacitance(pf/100m)max	330			16	54.2	43.7	40.7	
	DC Resistance (Ω/100m) max	9.38			20	52.8	41.8	38.8	
DC Conductor Resistance Unbalance (%) max 5.0					25	51.3	39.8	36.8	
Reaction to fire Classification: Dca,s1,d2,a1					31.25	49.9	37.9	34.9	
					62.5	45.4	31.9	28.9	
CPR Part no. G2503-030					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	
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua