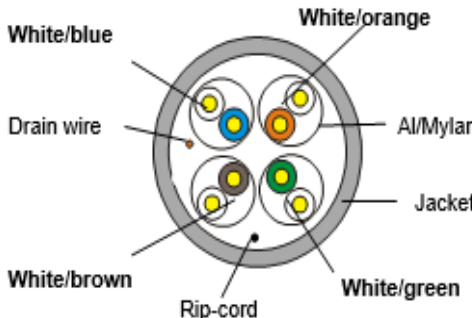




Work Area Solutions

Category Cat 6A U/FTP 4Pairs LSZH Sheath

Content of the Data Sheet								
Sheath Printing	Forteq Cat 6A UFTP LSZH 500m, IEC-60332-1 White, PN: 101-6AUF-4P-500							
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)	0.580	up down				+0.005 -0.005	
Insulation	Material	Skin-foam-skin PE						
	Diameter	1.30±0.05 mm						
Screening Material	Al/Mylar	Drain wire	Yes					
Sheath	Thickness	0.5±0.05 mm		Technical Performance (100m):				
	External O.D.	7.0±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	500 m			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 ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
	Elongation(%)	≥100		1	72.3	67.8	64.8	
	Cold bend(-20±2℃×4h)	8×Cable O.D., No visible cracks		4	63.3	55.8	52.8	
Electrical Characteristics (20℃)	Impedance(Ω)	1.0-250.0MHz	100±15	8	58.8	49.7	46.7	
		250.0-500.0MHz	100±22	10	57.3	47.8	44.8	
	1.0-500.0MHz Delay Skew (ns/100m)	≤45		16	54.2	43.7	40.7	
	unbalanced-to-ground capacitance(pf/100m)max	330		20	52.8	41.8	38.8	
	DC Resistance (Ω/100m) max	9.38		25	51.3	39.8	36.8	
	DC Conductor Resistance Unbalance (%) max	5.0		31.25	49.9	37.9	34.9	
				62.5	45.4	31.9	28.9	