

U/UTP 4Pairs cable-category 6A-LSZH Sheath 490316

Content of the Data Sheet								
Sheath Printing	TBD							
Customer No.		Customer Reference		White- Blue /Blue White-Orange /Orange White-Green /Green White-Brown /Brown Separator Polyester Tape Isolation Wrap Sheath Rip-cord				
Category	U/UTP CAT6A-4P-LSZH(B2ca-s1a,d,a1)							
Reference Standard	ISO/IEC11801、ANSI/TIA-568.2-D							
Conductor	Material	Solid-Bare Copper						
	Nom.O.D.(mm)	0.565	up				+0.01	
			down	-0.005				
Insulation	Material	PE						
	Diameter	1.12±0.1mm						
Filling	Plastic Separator : FRPE			Technical Performance (100m):				
Wrapping	Polyester Tape+Isolation Wrap			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
Sheath	Thickness	0.65±0.05 mm		1	20.0	—	74.3	570
	External O.D.	7.5±0.5 mm		4.0	23.0	3.8	65.3	552
	Surface	Clean,Frap,Satiation		8.0	24.5	5.3	60.8	547
	Material	FR-LSZH(complies RoHS)		10.0	25.0	5.9	59.3	545
	Color	TBD		16.0	25.0	7.5	56.2	543
				20.0	25.0	8.4	54.8	542
Surface Printing	Letter height	3.0±0.3mm		25.0	24.3	9.4	53.3	541
	Color	Black		31.25	23.6	10.5	51.9	540
	Print error & Space	≤±0.5%, 1m		62.5	21.5	15.0	47.4	539
				100	20.1	19.1	44.3	538
Core Color	1 White- Blue /Blue	2 White-Orange /Orange		200	18.0	27.6	39.8	537
	3 White-Green /Green	4 White- Brown /Brown		250	17.3	31.1	38.3	536
Packing	Wooden Drum			300	16.8	34.3	37.1	536
Carton dimension	——			400	15.9	40.1	35.3	536
Packing length	500±2.5m			500	15.2	45.3	33.8	536
Rip-cord	Yes	Drain wire	No	*600	14.7	50.1	32.6	536
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa) ≥9.0		*650	14.4	52.3	32.1	535
		Elongation (%) ≥100		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 (%) ≥70		8	58.8	49.7	46.7	
Electrical Characteristics (20℃)	Cold bend(-20±2℃×4h)	8×Cable O.D., No visible cracks		10	57.3	47.8	44.8	
	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	
	DC Resistance (Ω/100m) max	9.38		31.25	49.9	37.9	34.9	
	DC Conductor Resistance Unbalance (%) max 5.0		62.5	45.4	31.9	28.9		
				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	
				*600	30.6	12.2	9.2	
				*650	30.1	11.5	8.5	
				Remarks: * are the reference values				
Acceptance criterion:According to FLUKE Permanent link test≤90m, pass (ANSI/TIA-568.2-D)								
Reaction to fire Classification: B2ca,s1a,d1,a1								
Installation temperature: -10℃ to +60℃				Operation temperature: -20℃ to +75℃				