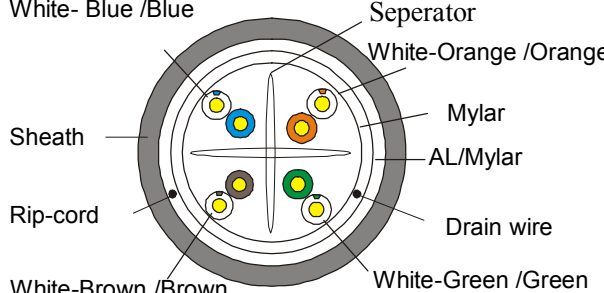


**F/UTP 4Pairs cable-category 6A-PVC Sheath**
**Content of the Data Sheet**

Sheath Printing	TBD									
Customer No.		Customer Reference								
Category	F/UTP CAT6A-4P-PVC									
Reference Standard	ISO/IEC11801、TIA-568-C.2									
Conductor	Material	SOLID-Bare Copper								
	Nom.O.D.(mm)	0.565	<table border="1"> <tr> <td>up</td> <td>+0.005</td> </tr> <tr> <td>down</td> <td>-0.005</td> </tr> </table>							
up	+0.005									
down	-0.005									
Insulation	Material	HDPE								
	Diameter	1.12±0.05 mm								
Screening Material	Mylar+ AL/Mylar									
Sheath	Thickness	0.60±0.05mm		Technical Performance (100m):						
	External O.D.	7.4±0.4 mm		Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns		
	Surface	Clean,Frap,Satiation		1	20.0	—	74.3	570.0		
	Material	PVC(complies RoHS)		4.0	23.0	3.8	65.3	552.0		
	Color	TBD		8.0	24.5	5.3	60.8	546.7		
Surface Printing	Letter height	3.0±0.3mm		10.0	25.0	5.9	59.3	545.4		
	Color	Black		16.0	25.0	7.5	56.2	543.0		
	Print error & Space	≤±0.5%, 1m		20.0	25.0	8.4	54.8	542.1		
	Core Color	1 White- Blue /Blue	2 White- Orange /Orange		25.0	24.3	9.4	53.3	541.2	
		3 White- Green /Green	4 White- Brown /Brown		31.25	23.6	10.5	51.9	540.4	
Packing		Wooden Tray		62.5	21.5	15.0	47.4	538.6		
Wooden Tray dimension	According to the requires		100	20.1	19.1	44.3	537.6			
Packing length	(305±1.5)m		200	18.0	27.6	39.8	536.5			
Rip-cord	Yes	Drain wire	Yes	250	17.3	31.1	38.3	536.3		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5		300	16.8	34.3	37.1	536.1		
	Elongation (%)	≥150		500	15.2	45.3	33.8	535.6		
	Aging Period (°C×hrs)	100°C×24h×7d		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB			
	After Aging Tensile Strength (Mpa)	≥12.5		1	72.3	68.0	65.0			
	Elongation (%)	≥125		4	63.3	56.0	53.0			
Electrical Characteristics (20°C)	Cold bend (-20±2°C×4h) 8×Cable O.D., No visible cracks			8	58.8	49.9	46.9			
	Impedance(Ω)	1.0-250.0MHz	100±15	10	57.3	48.0	45.0			
		250.0-500.0MHz	100±22	16	54.2	43.9	40.9			
	1.0-500.0MHz Delay Skew (ns/100m)	≤45		20	52.8	42.0	39.0			
	Unbalanced-to-ground capacitance (pf/100m) max	330		25	51.3	40.0	37.0			
DC Resistance (Ω/100m) max	9.38		31.25	49.9	38.1	35.1				
DC Conductor Resistance Unbalance (%) max	5.0		62.5	45.4	32.1	29.1				
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved	Nidonghua	