

TECHNICAL DATA SHEET

U/UTP 4Pairs cable-category 6A-

P/N:G2501-010

Content of the Data Sheet										
Sheath Printing	TBD									
Customer No.		Customer Reference								
Category	U/UTP CAT6A-4P-									
Reference Standard	ISO/IEC11801、TIA-568-C.2									
Conductor	Material	Solid-Bare Copper								
	Nom.O.D.(mm)	0.565	up	+0.005						down
Insulation	Material	HDPE								
	Diameter	1.02±0.05mm								
Sheath	Thickness	0.70±0.05 mm (Avg.)								
	External O.D.	7.1±0.4 mm								
	Surface	Clean, Frap, Satiation								
	Material	(complies RoHS)								
	Color	TBD								
Surface Printing	Letter height	3.0±0.3mm								
	Color	Black								
	Print error & Space	≤±0.5%, 1m								
	Core Color	1 White- Blue /Blue	2 White-Orange /Orange							
	3 White-Green /Green	4 White- Brown /Brown								
Packing	Wooden Tray & Carton									
Carton dimension	According to the requires									
Packing length	305±1.5m									
Rip-cord	Yes	Drain wire	No							
	Before Aging Tensile Strength (Mpa)		≥10.0							
		Elongation(%)		≥125						
Sheath Physical Properties	Aging Period (°C × hrs)		100°C × 24h × 7d							
	After Aging Tensile Strength(Mpa)		≥8.0							
			Elongation(%)		≥100					
	Cold bend(-20±2°C×4h)		8×Cable O.D., No visible cracks							
	Electrical Characteristics (20°C)	Impedance(Ω)	1.0-250.0MHz	100±15						
		250.0-500.0MHz	100±22							
1.0-500.0MHz		Delay Skew (ns/100m)	≤45							
DC Resistance (Ω/100m) max		9.38								
DC Conductor Resistance Unbalance (%) max		5.0								
		Frequency (MHz)		PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB				
		1		72.3	67.8	64.8				
		4		63.3	55.8	52.8				
		8		58.8	49.7	46.7				
		10		57.3	47.8	44.8				
		16		54.2	43.7	40.7				
		20		52.8	41.8	38.8				
		25		51.3	39.8	36.8				
		31.25		49.9	37.9	34.9				
		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				
		500		31.8	13.8	10.8				
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua	

