

U/UTP 4Pairs cable-category5E- PVC Sheath

P/N: G2301-001

Content of the Data Sheet

Sheath Printing	TBD										
Customer No.		Customer Reference									
Category	U/UTP CAT5E-4P-PVC										
Reference Standard	ISO/IEC11801、TIA-568-C.2										
Conductor	Material	Solid-Bare Copper									
	Nom.O.D.(mm)	0.500	<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
up	+0.005										
down	-0.005										
Insulation	Material	HDPE									
	Diameter	0.88±0.05mm									
Sheath	Thickness	0.50±0.05 mm		Technical Performance (100m):							
	External O.D.	5.0±0.4 mm		Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	Phase DELAY ≤ns			
	Surface	Clean, Frap, Satiation		1	20.0	2.0	65.3	570.00			
	Material	PVC(complies RoHS)		4.0	23.0	4.1	56.3	552.00			
	Color	TBD		8.0	24.5	5.8	51.8	546.73			
Surface Printing	Letter height	3.0±0.3mm		10.0	25.0	6.5	50.3	545.38			
	Color	Black		16.0	25.0	8.2	47.2	543.00			
	Print error & Space	≤±0.5%, 1m		20.0	25.0	9.3	45.8	542.05			
Core Color	1 White- Blue /Blue	2 White-Orange /Orange		25.0	24.3	10.4	44.3	541.20			
	3 White- Green /Green	4 White- Brown /Brown		31.25	23.6	11.7	42.9	540.44			
Packing	Wooden Tray & Carton			62.5	21.5	17.0	38.4	538.55			
Carton dimension	According to the requires			100	20.1	22.0	35.3	537.60			
Packing length	(305±1.5)m			Frequency PSNEXT							
Rip-cord	Yes	Drain wire	No	(MHz)	≥dB	ELFEXT ≥dB	PSELFEXT ≥dB				
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5		1	62.3	63.8	60.8				
	Elongation(%)	≥150		4	53.3	51.8	48.8				
	Aging Period(°C×hrs)	100°C×24h×7d		8	48.8	45.7	42.7				
	After Aging Tensile Strength(Mpa)	≥12.5		10	47.3	43.8	40.8				
	Elongation(%)	≥125		16	44.4	39.7	36.7				
Cold bend(-20±2°C×4h)	8×Cable O.D., No visible cracks			20	42.8	37.8	34.8				
Electrical Characteristics (20°C)	1.0-100.0MHz Impedance(Ω)	100±15		25	41.3	35.8	32.8				
	1.0-100.0MHz Delay Skew (ns/100m)	≤45		31.25	39.9	33.9	30.9				
	DC Resistance(Ω/100m) max	9.5		62.5	35.4	27.9	24.9				
	DC Conductor Resistance Unbalance(%) max	5.0		100	32.3	23.8	20.8				
Version	A/01	Date	2017-08-25	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua		