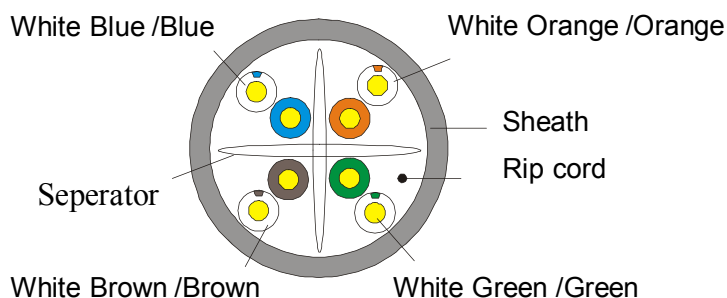


TECHNICAL DATA SHEET

U/UTP 4 Pair Category 6 Cable PVC Sheath

CALYX
Cabling system



P14-1501

Content of the Data Sheet

Sheath Printing	Standard							
Category	U/UTP CAT6 4P PVC			Technical Performance (100m):				
Test Standard	ISO/IEC11801、TIA5 68C .2 YD/T10192 001			Frequency (MHz)	RL ≥dB	ATT(20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
Conductor	Material	Solid Bare Copper		1	20.0	2.03	74.3	570.00
	Nom.O.D.(mm)	0.570	up	+0.005	4.0	23.0	3.78	65.3
down			0.005	8.0	24.5	5.32	60.8	546.73
Insulation	Material	HDPE		10.0	25.0	5.95	59.3	545.38
	Diameter	1.02±0.03mm		16.0	25.0	7.55	56.2	543.00
Sheath	Thickness	0.55±0.05 mm		20.0	25.0	8.47	54.8	542.05
	External O.D.	6.3±0.4 mm		25.0	24.3	9.51	53.3	541.20
	Surface	Clean,Frap,Satiation		31.25	23.6	10.67	51.9	540.44
	Material	PVC(complies RoHS)		62.5	21.5	15.38	47.7	538.55
	Color	According to the requires		100	20.1	19.80	44.3	537.60
Surface Printing	Letter height	3.0±0.3mm		200	18.0	28.98	39.8	536.54
	Color	Black		250	17.3	32.85	38.3	536.27
	Print error & Space	≤±0.5%, 1m						
Core Color	1 White Blue /Blue	2 White Orange /Orange		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
	3 White Green /Green	4 White Brown /Brown		1	72.3	67.8	64.8	
Packing	Wooden Tray & Carton			4	63.3	55.8	52.8	
Carton dimension	40.5*40.5*21cm			8	58.8	49.7	46.7	
Packing length	305±1.5m			10	57.3	47.8	44.8	
Rip cord	Yes	Drain wire	Yes	16	54.2	43.7	40.7	
				20	52.8	41.8	38.8	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)		≥13.5	25	41.3	39.8	36.8	
	Elongation(%)		≥150	31.25	49.9	37.9	34.9	
	Aging Period (℃×hrs)		100℃×24h×7d	62.5	45.4	31.9	28.9	
	After Aging Tensile Strength(Mpa)		≥12.5	100	42.3	27.8	24.8	
	Elongation(%)		≥125	200	37.8	21.8	18.8	
Cold bend(20±2℃×4h) 8×Cable O.D.,		No visible cracks		250	36.3	19.8	16.8	
Electrical Characteristics (20℃)	1.0 250.0MHz Impedance ((Ω)		100±15					
	1.0 250.0MHz Delay Shew (ns/100m)		≤45					
	DC Resistance (Ω/100m) max		9.5					
	DC Conductor Resistance	Unbalance (%)	max 5.0					

Note: Fire retardant of outer sheathing must comply with national standards.