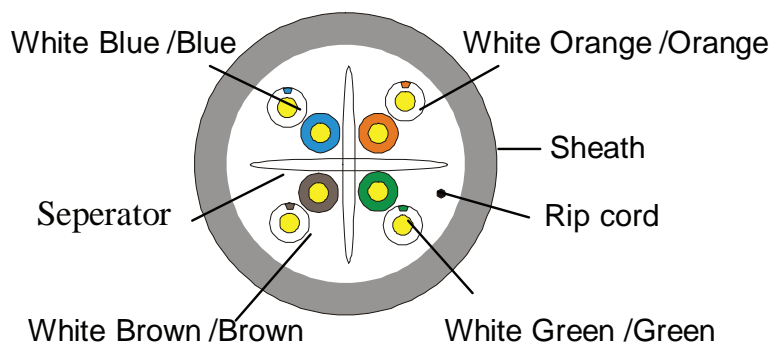


TECHNICAL DATA SHEET

U/UTP 4 Pairs Cable Category 6A PVC

CALYX
Cabling system



Part No: P14-1605

Content of the Data Sheet

Category	U/UTP CAT6A 4Pair PVC				Technical Performance (100m):				
Test Standard	ISO/IEC11801、TIA5 68C .2 YD/T1019				Frequency (MHz)	RL ≥dB	ATT(20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
Conductor	Material	Solid Bare Copper			1	20.0	2.1	74.3	570.0
	Nom.O.D.(mm)	0.570	up	+0.005	4.0	23.0	3.8	65.3	552.0
			down	0 .005	8.0	24.5	5.3	60.8	546.7
					10.0	25.0	5.9	59.3	545.4
Insulation	Material	HDPE			16.0	25.0	7.5	56.2	543.0
	Diameter	1.03±0.03mm			20.0	25.0	8.4	54.8	542.1
					25.0	24.3	9.4	53.3	541.2
Sheath	Thickness	0.65±0.05 mm (Avg.)			31.25	23.6	10.5	51.9	540.4
	External O.D.	6.9±0.4 mm			62.5	21.5	15.0	47.4	538.6
	Surface	Clean,Frap,Satiation			100	20.1	19.1	44.3	537.6
	Material	PVC			200	18.0	27.6	39.8	536.5
					250	17.3	31.1	38.3	536.3
	Color	According to the requires			300	16.8	34.3	37.1	536.1
Surface Printing	Letter height	3.0±0.3mm			500	15.2	45.3	33.8	535.6
	Color	Black			Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
	Print error & Space	≤±0.5%, 1m			1	72.3	67.8	64.8	
Core Color	1 White Blue /Blue	2 White Orange /Orange			4	63.3	55.8	52.8	
	3 White Green /Green	4 White Brown /Brown			8	48.8	49.7	46.7	
Packing	Wooden Tray & Carton				10	57.3	47.8	44.8	
Carton dimension	40.5*40.5*21cm				16	54.2	43.7	40.7	
Packing length	305±1.5m				20	52.8	41.8	38.8	
Ripcord	Yes	Drain wire		Yes	25	41.3	39.8	36.8	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0				31.25	49.9	37.9	34.9	
	Elongation(%) ≥125				62.5	45.4	31.9	28.9	
	Aging Period (℃×hrs) 100℃×24h×7d				100	42.3	27.8	24.8	
	After Aging Tensile Strength(Mpa) ≥8.0				200	37.8	21.8	18.8	
	Elongation(%) ≥100				250	36.3	19.8	16.8	
	Cold bend(20±2℃×4h) 8xCable O.D., No visible cracks				300	35.1	18.3	15.3	
Electrical Characteristics (20℃)	1.0 500.0MHz Delay Shew (ns/100m) ≤45				500	31.8	13.8	10.8	
	NVP 69								
	DC Resistance (Ω /100m) max 9.5								
	DC Conductor Resistance Unbalance (%) max 5.0								