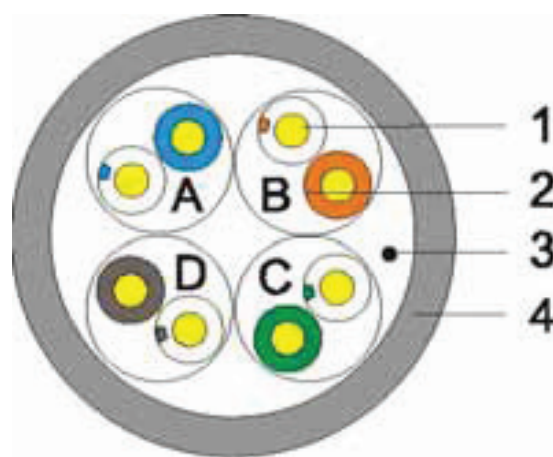


# TECHNICAL DATA SHEET

REF : UTP 4 pairs cable - category 5e - 100MHz - PVC Sheath(C1035)

**CALYX**  
Cabling system



## Part No: P14-1401

Sheath Printing	Brand , Cable category information & Meter mark				Technical Performance (100m):					
Category	UTP/CAT5e-4P-PVC				(MHz)	RL	ATT	NEXT	DELAY	
Test Standard	ISO/IEC11801、TIA/EIA 568B YD/T1019-2001					≥dB	≤dB	≥dB	≤ns	
1. Conductor	Material	SOLID-Bare Copper								
	Nom. O.D. (mm)	0.490	Up	+0.005	1	20.0	2.0	65.3	570.00	
			Down	-0.005	4.0	23.0	4.1	56.3	552.00	
2. Insulation	Material	HDPE			8.0	24.5	5.8	51.8	546.73	
	Diameter	0.87±0.02mm			10.0	25.0	6.5	50.3	545.38	
Color	A.Blue, White-Blue	B.Orange,White-Orange			16.0	25.0	8.2	47.2	543.00	
	C.Green,White-Green	D.Brown, White-Brown			20.0	25.0	9.3	45.8	542.05	
3. Rip-cord	Yes	Drain wire	No		25.0	24.3	10.4	44.3	541.20	
4. Sheath	Thickness	0.50±0.05 mm			31.25	23.6	11.7	42.9	540.44	
	External O.D.	5.0±0.3 mm			62.5	21.5	17.0	38.4	538.55	
	Surface	Clean,Frap,Satiation			100	20.1	22.0	35.3	537.60	
	Material	PVC(complies RoHS)								
	Color	Multiple			(MHz)	PSNEXT	ELFEXT	PSELFEXT		
Surface Printing	Letter height	3.0±0.3mm				≥dB	≥dB	≥dB		
	Color	Black			1	62.3	64.0	61.0		
	Print error & Space	≤±0.5%, 1m			4	53.3	52.0	49.0		
Packing	Carton, pallet				8	48.8	45.9	42.9		
Carton dimension	35*35*20cm				10	47.3	44.0	41.0		
					16	44.4	39.9	36.9		
Packing length	305±1.5m				20	42.8	38.0	35.0		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5		31.25	39.9	34.1	31.1		
		Elongation (%)	≥150		62.5	35.4	28.1	25.1		
	Aging Period (°C×hrs)	100°C×24h×7d			100	32.3	24.0	21.0		
	After Aging	Tensile Strength (Mpa)	≥12.5							
		Elongation (%)	≥125							
	Cold bend (-20±2°C×4h)	No visible cracks								
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω)									
	1.0-100.0MHz, Delay Shew 20°C(ns/100m)									
	DC Resistance 20°C(Ω/100m) max									
	DC Conductor Resistance Unbalance (%)max									