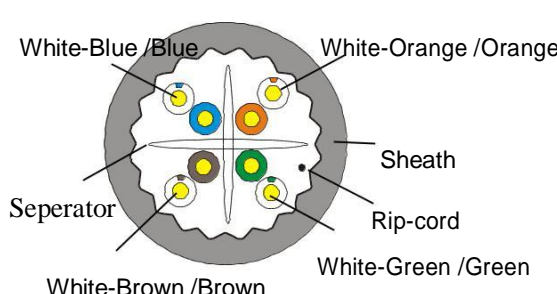


U/UTP 4Pairs cable -category 6A-CMP PVC Sheath

Date	Author	Review	Approve	Version	Revision Declaration
2018-01-10	Wallis Gan		Wallis Gan	A0	
Content of the Data Sheet					
Sheath Printing	PSI DATA UTP CAT6A 4PR 23 AWG CMP (UL) c(UL) E164469 ▲ ETL VERIFIED TO ANSI/TIA-568-C.2 CAT 6A RoHS xxxFT				
Customer reference					
Category	U-UTP-CAT6A-4P-CMP PVC				
Test Standard	ISO/IEC11801、ANSI/TIA-568-C.2				
1. Conductor	Material	SOLID-Bare Copper			
	Nom. O.D. (mm)	0.57	Up	+0.005	
			Down	-0.005	
	Material	FEP			
Diameter	0.99±0.04mm				
Color	1.Blue, White-Blue	2.Orange,White-Orange			
	3.Green,White-Green	4.Brown, White-Brown			
3. Filling	Plastic Separator : FEP				
4. Rip-cord	Yes	Drain wire	No		
5. Sheath	Thickness	0.6±0.05 mm			
	External O.D.	7.2±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	CMP PVC (complies RoHS)			
Color	According to the requires				
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%. 1m			
Packing	Wooden Drum				
Wooden Tray dimension	According to the requires				
Packing length	305±1.5m				
Rip-cord	Yes	Drain wire	No		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5		
		Elongation (%)	≥150		
	Aging Period (°C× hrs)	100°C×24h×7d			
	After Aging	Tensile Strength (Mpa)	≥12.5		
Elongation (%)		≥125			
Cold bend (-20±2°C×4h)	No visible cracks				
Electrical Characteristics (20°C)	1.0-500.0MHz, Characteristic impedance (Ω) 100±15				
	1.0-500.0MHz, Delay Shew 20°C(ns/100m) ≤45				
	DC Resistance 20°C(Ω/100m) max 9.38				
	DC Conductor Resistance Unbalance (%)max 5.0				



Technical Performance (100m):							
Fre. MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.1	74.3	570.00	72.3	67.8	64.8
4	23.0	3.8	65.3	552.00	63.3	55.8	52.8
8	24.5	5.3	60.8	546.70	58.8	49.7	46.7
10	25.0	5.9	59.3	545.40	57.3	47.8	44.8
16	25.0	7.5	56.2	543.00	54.2	43.7	40.7
20	25.0	8.4	54.8	542.10	52.8	41.8	38.8
25	24.3	9.4	53.3	541.20	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.40	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.60	45.4	31.9	28.9
100	20.1	19.1	44.3	537.60	42.3	27.8	24.8
200	18.0	27.6	39.3	536.50	37.8	21.8	18.8
250	17.3	31.1	38.3	536.30	36.3	19.8	16.8
300	16.8	34.3	37.1	536.10	35.1	18.3	15.3
500	15.2	45.3	33.8	535.60	31.8	13.8	10.8

Acceptance criterion: Per 4Pair pass FLUKE test instrument.