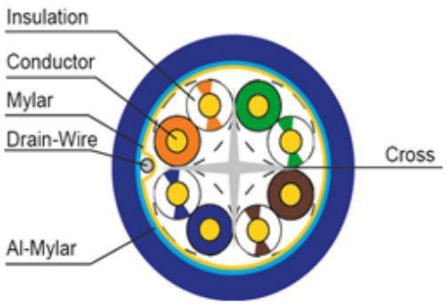
F/ U T P 4Pairs cable -category 6-PVC Sheath -550MHz

Date	Author	Review	Approve	Version	Revision Declaration
2017-12 - 25	Anne		WallisGan	A0	

Content of the Data Sheet

Sheath Printing	PSI DATA FTP CAT6 550MHZ 4PR 23 AWG CMR 3057585 (ETL) c(ETL) VERIFIED TO TIA-568-C.2 CAT 6 RoHS xxxxFT				
Customer reference					
Category	F/UTP CAT6E-4P- PVC				
Test Standard	ISO/IEC11801、TIA-568-C.2 、YD/T1019				
Conductor	Material	SOLID-Bare Copper			
	Nom.O.D.(mm)	0.55	up	+0.005	
			down	-0.005	
Insulation	Material	HDPE			
	Diameter	1.2±0.03mm			
Sheath	Thickness	0.50±0.05mm			
	External O.D.	6.9±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	PVC(complies RoHS)			
	Color	According to the requires			
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%，1m			
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			
	3 White-Green /Green	4 White- Brown /Brown			
Packing	Wooden Reel				
Carton 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 (℃×hrs) 100℃×24h×7d				
	After Aging Tensile Strength(Mpa) ≥12.5 Elongation(%) ≥125				
	Cold bend(-20±2℃×4h) 8×Cable O.D.No visible cracks				
Electrical Characteristics (20℃)	1.0-250.0MHz Impedance(Ω) 100±15 250-550 MHz Impedance(Ω) reference values				
	1.0-550.0MHz Delay Shew (ns/100m) ≤45				
	DC Resistance (Ω/100m) max 9.38				
	DC Conductor Resistance Unbalance (%)max 5.0				



Technical Performance :

Fre。 MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.03	74.3	570.00	72.3	68.0	65.0
4	23.0	3.78	65.3	552.00	63.3	56.0	53.0
8	24.5	5.32	60.8	546.73	58.7	49.9	46.9
10	25.0	5.95	59.3	545.38	57.3	48.0	45.0
16	25.0	7.55	56.2	543.00	54.2	43.9	40.9
20	25.0	8.47	54.8	542.05	52.8	42.0	39.0
25	24.3	9.51	53.3	541.20	51.3	40.0	37.0
31.25	23.6	10.67	52.0	540.44	49.9	38.1	35.1
62.5	21.5	15.38	47.4	538.55	45.4	32.1	29.1
100	20.1	19.80	44.3	537.60	42.3	28.0	25.0
200	18.0	28.98	39.8	536.50	37.8	22.0	19.0
250	17.3	32.85	38.3	536.10	36.3	20.0	17.0
*350	16.3	39.79	36.1	535.90	34.1	16.9	13.9
*550	14.9	51.76	33.2	535.50	31.2	13.0	10.0

Note： Remarks: * are the reference values