



## F/ U T P 4P airs cable -category5E -CMP PVC Sheath - 350MHz

Date	Author	Review	Approve	Version	Revision Declaration
2017-12-25				A0	
Content of the Data Sheet					
Sheath Printing	PSI DATA FTP CAT5e 4PR 24 AWG CMP (UL) c(UL) E164469 ▲ TEST TO ANSI/TIA-568-C.2 CAT 5e 350MHz RoHS xxxxFT				
Customer reference					
Category	F/UTP CAT5E-4P-PVC-CMP				
Test Standard	ISO/IEC11801、ANSI/TIA-568-C.2				
Conductor	Material	Solid-Bare copper			
	Nom.O.D.(mm)	0.50	up	+0.005	
			down	-0.005	
Insulation	Material	FEP			
	Diameter	1.04±0.03mm			
Sheath	Thickness	0.45±0.05 mm			
	External O.D.	5.9±0.3mm			
	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			
Core Color	1 White /Blue	2 White/Orange			
	3 White/Green	4 White /Brown			
Packing	Wooden Reel				
Carton dimension	According to the requires				
Packing length	(305±1.5)m				
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) 8×Cable O.D., No visible cracks				
Electrical Characteristics (20°C)	1.0-100.0MHz Impedance(Ω)	100±15			
	100-350 MHz Impedance(Ω)	reference values			
	1.0-350.0MHz Delay Shew (ns/100m)	≤45			
	DC Resistance (Ω/100m) max	9.5			
	DC Conductor Resistance Unbalance(%) max 5.0				

Technical Performance :							
Fre. MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	Phase DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.0	65.3	570.00	62.3	63.8	60.8
4	23.0	4.1	56.3	552.00	53.3	51.8	48.8
8	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20	25.0	9.3	45.8	542.05	42.8	37.8	34.8
25	24.3	10.4	44.3	541.20	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8
*155	18.0	28.1	32.4	536.90	29.4	20	17
*200	17.4	32.4	30.8	536.50	27.8	17.8	14.8
*300	16.5	41.8	29.3	536.10	26.3	14.3	11.3
*350	16.0	44.9	27.1	535.90	24.1	12.9	9.9

Remarks: \* are the reference values

Note: The fire retardant of the outer sheath should be comply with national standard.