



Sheath Printing	It will be printed as customer's requirement with batch produce.								
Category	U/UTP CAT5E-4P-PVC								
Test Standard	ISO/IEC11801,TIA-568-C.2 ,EN50173,EN61156-5								
Conductor	Material	Solid-Bare Copper							
	24AWG								
Insulation	Material	HDPE							
	Diameter	0.87±0.03mm							
Sheath	Thickness	0.50±0.05 mm		Technical Performance (100m):					
	External O.D.	4.9±0.4 mm		Frequency [MHz]	RL ≥dB	ATT[20°C] ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
	Surface	Clean,Frap,Satiation		1	20.0	2.0	65.3	570.00	
	Material	PVC [RoHS Complied] 6CM rated[UL E225668]		4.0	23.0	4.1	56.3	552.00	
Surface Printing	Letter height	3.0±0.3mm		8.0	24.5	5.8	51.8	546.73	
	Color	Black		10.0	25.0	6.5	50.3	545.38	
	Print error & Space	≤±0.5%, 1m		16.0	25.0	8.2	47.2	543.00	
Core Color	1 White- Blue /Blue		2 White-Orange /Orange		20.0	25.0	9.3	45.8	542.05
	3 White- Green /Green		4 White- Brown /Brown		25.0	24.3	10.4	44.3	541.20
Packing	Reel in Box			31.25	23.6	11.7	42.9	540.44	
Packing length	305m			62.5	21.5	17.0	38.4	538.55	
NVP	69%			100	20.1	22.0	35.3	537.60	
Rip-cord	Yes	Drain wire	No	Frequency [MHz]	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		
Sheath Physical Properties	Before Aging	Tensile Strength [Mpa]	≥13.5	1	62.3	63.8	60.8		
		Elongation[%]	≥150	4	53.3	51.8	48.8		
	Aging Period[°C×hrs]	100°C×24h×7d		8	48.8	45.7	42.7		
	After Aging	Tensile Strength[Mpa]	≥12.5	10	47.3	43.8	40.8		
		Elongation[%]	≥125	16	44.4	39.7	36.7		
	Cold bend[-20±2°C×4h]	8×Cable O.D., No visible cracks		20	42.8	37.8	34.8		
Electrical Characteristics [20°C]	1.0-100.0MHz	Impedance[Ω]	100±15	25	41.3	35.8	32.8		
	1.0-100.0MHz	Delay Shew [ns/100m]	≤45	31.25	39.9	33.9	30.9		
	DC Resistance-/100m) max		11.0	62.5	35.4	27.9	24.9		
	DC Conductor Resistance Unbalance[%] max		5.0	100	32.3	23.8	20.8		