

## F/UTP 4Pairs Cat.5E PVC Jacket Lan Cable

Test Standard		ANSI/TIA-568-C.2、ISO / IEC 11801、IEC 61156、BS EN 50288					
<b>Physical Parameters</b>							
Conductor	Material	Solid Bare Copper					
	Diameter (mm)	0.500±0.005					
Insulation	Material	HDPE					
	Diameter (mm)	1.00±0.05					
Core color	1.white-blue/blue	2.white-orange/orange					
	3.white-green/green	4.white-brown/brown					
Polyester	YES						
Drain wire	CCS 0.5mm						
Shield	Aluminum Foil						
Sheath	Material	PVC					
	Thickness (mm)	0.55±0.05					
	Diameter (mm)	6.0 ±0.3					
	Color	Optional					
		Surface printing	Letter high (mm)	3.0 ± 0.5			
			Color	Black/White			
			Print error & Space	≤± 0.5% , 1m			
<b>Electrical Parameters</b>							
Conductor Resistance (20°C)			≤9.38 Ω/ 100m				
Electrical Resistance Unbalance ( 20°C)			≤2.5 %				
Insulation Resistance			>5000 MΩ·km				
Mutual capacitance of a pair			≤5.6nF/100m				
<b>Technical Performance</b>							
F <sub>eq</sub> MHZ	Z <sub>in</sub>	IL	RL	NEXT	PS NEXT	ELFEXT	PS ELFEXT
	Ω	dB/100m	dB	dB/100m	dB/100m	dB/100m	dB/100m
1.0	100±15	≤2.04	≥20.0	≥65.30	≥62.30	≥64.00	≥61.00
4.0		≤4.05	≥23.0	≥56.27	≥53.27	≥51.96	≥48.96
8.0		≤5.77	≥24.5	≥51.75	≥48.75	≥45.94	≥42.94
10.0		≤6.47	≥25.0	≥50.30	≥47.30	≥44.00	≥41.00
16.0		≤8.25	≥25.0	≥47.24	≥44.24	≥39.92	≥36.92
25.0		≤10.42	≥24.3	≥44.3	≥41.30	≥36.00	≥33.12
31.25		≤11.71	≥23.6	≥42.89	≥39.89	≥34.12	≥31.12
62.5		≤16.99	≥21.5	≥38.36	≥35.36	≥28.08	≥25.08
100		≤21.98	≥20.1	≥35.30	≥32.30	≥24.00	≥21.00
<b>Environment Temperature</b>							
Store		0~40°C		Work		-20 ~ 60°C	
<b>Remark</b>							

