



Technical Specification

HANGZHOU XINGFA TECHNOLOGY CO., LTD

U/UTP 4Pairs Cat.6 PVC Jacket Lan Cable

Test Standard		ANSI/TIA-568-C.2、ISO / IEC 11801、IEC 61156、BS EN 50288					
Physical Parameters							
Conductor	Material	Solid Bare Copper					
	AWG	23					
Insulation	Material	HDPE					
	Diameter (mm)	0.96±0.05					
Core color	1.white-blue/blue	2.white-orange/orange					
	3.white-green/green	4.white-brown/brown					
Seperator	PE						
Sheath	Material	PVC/LSZH					
	Thickness (mm)	0.55±0.05					
	Diameter (mm)	6.2 ±0.3					
	Color	Optional					
Surface printing	Letter high (mm)	3.0 ± 0.5					
	Color	Black/White					
	Print error & Space	≤± 0.5% , 1m					
Electrical Parameters							
Conductor Resistance (20°C)				≤8.3 Ω/ 100m			
Electrical Resistance Unbalance (20°C)				≤2.5 %			
Insulation Resistance				>5000 MΩ·km			
Mutual capacitance of a pair				≤5.6nF/100m			
Technical Performance							
Feq MHZ	Zc Ω	IL dB/100m	RL dB	NEXT dB/100m	PS NEXT dB/100m	ELFEXT dB/100m	PS ELFEXT dB/100m
1.0	100±15	≤2.0	≥20.0	≥74.3	≥72.3	≥67.8	≥64.8
4.0		≤3.8	≥23.0	≥65.3	≥63.3	≥55.8	≥52.8
8.0		≤5.3	≥24.5	≥60.8	≥58.8	≥49.7	≥46.7
10.0		≤6.0	≥25.0	≥59.3	≥57.3	≥47.8	≥44.8
16.0		≤7.6	≥25.0	≥56.2	≥54.2	≥43.7	≥40.7
20.0		≤8.5	≥25.0	≥54.8	≥52.8	≥41.8	≥38.8
25.0		≤9.5	≥24.3	≥53.3	≥51.3	≥39.8	≥36.8
31.25		≤10.7	≥23.6	≥51.9	≥49.9	≥37.9	≥34.9
62.5		≤15.4	≥21.5	≥47.4	≥45.4	≥31.9	≥28.9
100		≤19.8	≥20.1	≥44.3	≥42.3	≥27.8	≥24.8
200		≤29.0	≥18.0	≥39.8	≥37.8	≥21.8	≥18.8
250		≤32.8	≥17.3	≥38.3	≥36.3	≥19.8	≥16.8
Environment Temperature							
Store		0~40°C		Work		-20 ~ 60°C	
Remark							
a) The Cable can pass fluke test.							
b) Insulation Outer Diameter and Sheath Outer Diameter are for reference only.							