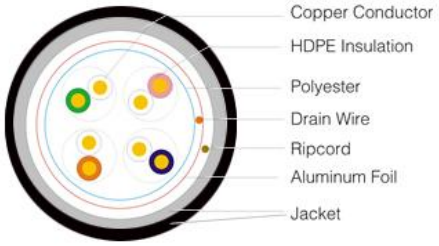
F/UTP 4Pairs Cat.5E PVC+PE Jacket Lan Cable

Test Standard	ANSI/TIA-568-C.2、ISO / IEC 11801、IEC 61156、BS EN 50288

Physical Parameters

Conductor	Material	Solid Bare Copper			
	Diameter（mm）	0.510±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+PE			
	Thickness（mm）	0.55±0.05	Surface printing	Letter high（mm）	3.0 ± 0.5
	Diameter（mm）	7.0 ±0.3		Color	Black
	Color	Optional		Print error & Space	≤± 0.5% ， 1m

Electrical Parameters

Conductor Resistance (20℃)	≤9.38 Ω/ 100m
Electrical Resistance Unbalance (20℃)	≤2.5 %
Insulation Resistance	>5000 MΩ·km
Mutual capacitance of a pair	≤5.6nF/100m

Technical Performance

Feq MHZ	**Zin** Ω	**IL** dB/100m	**RL** dB	**NEXT** dB/100m	**PS NEXT** dB/100m	**ELFEXT** dB/100m	**PS ELFEXT** dB/100m
1.0	100±15	≤2.04	≥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

Environment Temperature

Store	0～40℃	Work	-20 ～ 60℃

Remark

a) The Cable can pass fluke test.

b) Insulation Outer Diameter and Sheath Outer Diameter are for reference only.