



# HANGZHOU FOB ELECTRONIC CO.,LTD

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**Cable Type:LAN CABLE FTP CAT6A**

## Product Structure



## Physical Dimensions

Construction	Detail Specification
Inner Conductor	0.57mm (23AWG) Bare Copper
Insulation	1.14+/-0.02mm HDPE
4 Pairs	1.(White)(Blue)/(Blue) 2.(White)(Green)/(Green) 3.(White)(Brown)/(Brown) 4.(White)(orange)/(Orange)
Separator	
Shield	PET Foil + Aluminum Foil
Outer Jacket	7.0±0.2mm Jacket PVC / LSZH / PE

## Electrical Characteristics

Characteristic Impedance (1~1000MHz)	100±15 Ohm
Delay Skew(ns/100m)	≤45
Transmission Speed	0.6C
Capacitance	≤5.6 nF/100m

Operating Temp range: -20°C ~ +70°C

Frequency (MHz)	Return Loss dB/100m	Attenuation dB/100m	NEXT dB/100m	PHASE DELAY ns/100m	PSNEXT dB/100m	ELFEXT dB/100m	PSELFEXT dB/100m
1	20.0	2.1	74.3	570.0	72.3	67.8	64.8
4	23.0	3.8	65.3	552.0	63.3	55.8	52.8
8	24.5	5.3	60.8	546.7	48.8	49.7	46.7
10	25.0	5.9	59.3	545.4	57.3	47.8	44.8
16	25.0	7.5	56.2	543.0	54.2	43.7	40.7
20	25.0	8.4	54.8	542.1	52.8	41.8	38.8
25	24.3	9.4	53.3	541.2	41.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	31.8	13.8	10.8