



Hangzhou Risingsun Cable Co., Ltd

Category 6 F/UTP 4Pairs cable

Category	F/UTP CAT6-4P-PE	
Standard	ISO/IEC11801、TIA-568-C.2、YD/T1019	
Carton Dimension	—	
Cable Packing	Woodne Tray & Carton	

Construction

Conductor	Solid-Bare Copper	Insulation colors	Blue,White/Blue	Rip Cord	yes
Conductor Dia.	0.57mm±0.005		Orange,White/Orange	Jacket	PE
Insulation	HDPE		Green,White/Green	Jacket Colors	Multiple
Insulation Dia.	1.09mm±0.03		Brown,White/Brown	Jacket Out Dia.	7.4mm±0.4mm
Drain wire	yes	Shielded	AL Foil	Average Thickness	0.6±0.05mm
Seperator	yes	Shielded	Polyester		

Electrical Characteristics

Frequency(MHz)	ATT (≤dB/100m)	NEXT (≥dB)	ELFEXT (≥dB)	RL (≥dB)	PS NEXT (≥dB)
1	2.03	74.3	67.8	20.0	64.8
4	3.78	65.3	55.8	23.0	52.8
8	5.32	60.8	49.7	24.5	46.7
10	5.95	59.3	47.8	25.0	44.8
16	7.55	56.2	43.7	25.0	40.7
20	8.47	54.8	41.8	25.0	38.8
25	9.51	53.3	39.8	24.3	36.8
31.25	10.67	51.9	37.9	23.6	34.9
62.5	15.38	47.7	31.9	21.5	28.9
100	19.80	44.3	27.8	20.1	24.8
200	28.98	39.8	21.8	18.0	18.8
250	32.85	38.3	19.8	17.3	16.8
Impedance(1-250MHz)		100±15 Ohm	DC Conductor Resistance (Ω/100m) max		9.5
Delay Shew ns/100m (1-250MHz)		≤45	DC Resistance Unbalance(%) max		5.0
Capacitance(nF/100m) max		5.6	NVP		69%

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