



GULF STAR UTP CAT6 LAN CABLE

<u>SPECIFICATIONS</u>	
1.Conductor:	Solid Bare copper x 24AWG
2.Insulation :	HDPE Min. Avg. Thickness: 0.23 mm;
3.Color Code:	Pair 1: Blue & White/Blue; Pair 2: Orange & White/Orange Pair 3: Green & White/Green; Pair 4: Brown & White/Brown
4.Jacket:	75°C PVC Compound Min. Avg. Thickness: 0.6 mm; Min. Thickness: 0.50 mm Approximate O.D.: 5.7 mm +/- 0.3mm
5.Electric Requirements:	(Cable length: 100M) Characteristic Impedance(Z_0): 85 ~115 Ω (1~ 500 MHZ) DC. Resistance Capacitance Unbalance: 5% Pair-to-Ground Capacitance Unbalance: 330 pF/100M Max Conductor Resistance:7.32 Ω / 100M 20°C Max Mutual Capacitance: 5600 pF/100m Max Spark Test: 2.5KV Nominal Velocity of Propagation (NVP): 69%
	ROHS COMPLIANCE

Frequency	Att.	Pr-Pr NEXT	PS	Prop.	Delay	Return Loss	Pr-Pr ELFEXT	PS
MHz	Solid		NEXT	Delay ns	Skew ns			ELFEXT
1	2.1	74.3	72.3	570	45	20	67.8	64.8
10	6	59.3	57.3	545	45	25	47.8	44.8
20	8.5	54.8	52.8	542	45	25	41.8	38.8
31.25	10.7	51.9	49.9	540.4	45	23.6	37.9	34.9
62.5	15.4	47.4	45.4	538.6	45	21.5	31.9	28.9
100	19.8	44.3	42.3	537.6	45	20.1	27.8	24.8
200	29	39.8	37.8	536.5	45	18	21.8	18.8
250	33.1	38.3	36.3	536.3	45	17.3	19.8	16.8
300	36.4	35.9	34.1	534.3	45	16.2	18.2	15.2
400	43	34.4	33.8	534	45	15.1	15.7	12.7
550	51.8	34.1	33.2	533.6	45	13.2	12.9	9.9
600	55.3	32.2	31.3	533.6	45	12.3	12.4	8.6