



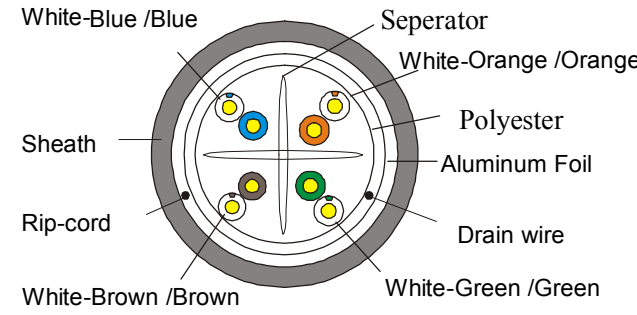
## F/UTP 4Pairs cable-category 6-PVC Sheath

<b>Product Description:</b> Rated temperature: 60°C, 75°C, 90°C Reference Standard: UL444, UL1581, UL1666 Bare solid copper conductor Rohs/REACH complied PVC Jacket Flame Test: CMX, CM, CMR Installation temperature: -30°C ~ +50°C / EXTERIOR USE	<b>Application:</b> 100Base-TX 100Base-T 100VG-AnyLAN 1000Base-T (Gigabit Ethernet) 1000Base-TX ATM Noisy Environments
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**MAINTRONICS**

**LAN CABLE GT**

Content of the Data Sheet

Category	F/UTP CAT6-4P-PVC				
Test Standard	ISO/IEC11801、TIA- 568-C.2、YD/T 1019				
Conductor	Material	Solid Bare copper			
	Nom.O.D.(mm)	0.570	up +0.005 down -0.005		
Insulation	Material	HDPE			
	Diameter	1.09 ± 0.03 mm			
Screening Material	Aluminum Foil				
Sheath	Thickness	0.60 ± 0.05 mm		Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥ 13.5 Elongation(%) ≥ 150
	External O.D.	7.4 ± 0.4 mm			Aging Period (°C × hrs) 100°C × 24h × 7d
	Surface	Clean, Frap, Satiation			After Aging Tensile Strength(Mpa) ≥ 12.5 Elongation(%) ≥ 125
	Material	PVC			Cold bend (-20 ± 2°C × 4h) 8 × Cable O.D No visible cracks
	Color	According to the requires			
Surface Printing	Letter height	3.0 ± 0.3 mm		Electrical Characteristics (20°C)	1.0-250.0MHz Impedance (Ω) 100 ± 15
	Color	Black			1.0-250.0MHz Delay Shew (ns/100m) ≤ 45
	Print error & Space	≤ ± 0.5%, 1m			NVP 69%
Core Color	1 White- Blue /Blue	2 White-Orange /Orange		capacitance (nf/100m) max 5.6	
	3 White- Green /Green	4 White- Brown /Brown		unbalanced-to-ground capacitance (pf/100m) max 330	
Packing	Wooden Tray & Carton			DC Resistance (Ω/100m) max 9.38	
Wooden Tray dimension	According to the requires			DC Conductor Resistance Unbalance (%) max 5.0	
Packing length	305 ± 1.5m				
Rip-cord	Yes	Drain wire	Yes		





Technical Performance (100m):

Frequency (MHz)	RL $\geq$ dB	ATT(20°C) $\leq$ dB	NEXT $\geq$ dB	PHASE DELAY $\leq$ ns	Frequency (MHz)	PSNEXT $\geq$ dB	ELFEXT $\geq$ dB	PSELFEXT $\geq$ dB
1	20.0	2.03	74.3	570.00	1	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.00	4	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	8	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	10	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	16	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	20	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	25	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	31.25	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	62.5	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	100	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	200	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	250	36.3	19.8	16.8

