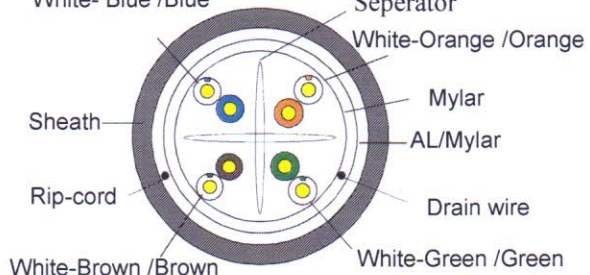


TECHNICAL DATA SHEET

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

P/N: G2402-066

Content of the Data Sheet											
Sheath Printing		TBD									
Customer No.		Customer Reference		White- Blue /Blue Separator White-Orange /Orange Mylar AL/Mylar Drain wire White-Green /Green White-Brown /Brown Rip-cord Sheath 							
Category		F/UTP CAT6-4P-PVC(Eca)									
Reference Standard		ISO/IEC11801, EN 50173, TIA-568-C.2									
Conductor		Material								SOLID-Bare Copper	
		Nom.O.D.(mm)								0.565	up down
Insulation		Material		HDPE							
		Diameter		1.12±0.05 mm							
Screening Material		Mylar+ AL/Mylar									
Sheath		Thickness		0.60±0.05mm		Technical Performance (100m):					
		External O.D.		7.4±0.4mm		Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
		Surface		Clean,Frap,Satiation		1	20.0	—	74.3	570.00	
		Material		PVC(complies RoHS)		4.0	23.0	3.78	65.3	552.00	
		Color		TBD		8.0	24.5	5.32	60.8	546.73	
Surface Printing		Letter height		3.0±0.3mm		10.0	25.0	5.95	59.3	545.38	
		Color		Black		16.0	25.0	7.55	56.2	543.00	
		Print error & Space		≤±0.5%, 1m		20.0	25.0	8.47	54.8	542.05	
						25.0	24.3	9.51	53.3	541.20	
Core Color		1 White- Blue /Blue		2 White-Orange /Orange		31.25	23.6	10.67	51.9	540.44	
		3 White- Green /Green		4 White- Brown /Brown		62.5	21.5	15.38	47.7	538.55	
Packing		Wooden Tray & Carton									
Wooden Tray dimension		According to the requires									
Packing length		305±1.5m									
Rip-cord		Yes		Drain wire		Yes					
Sheath Physical Properties		Before Aging		Tensile Strength (Mpa) ≥13.5		100	20.1	19.80	44.3	537.60	
				Elongation(%) ≥150		200	18.0	28.98	39.8	536.54	
		Aging Period (℃×hrs)		100℃×24h×7d		250	17.3	32.85	38.3	536.27	
		After Aging		Tensile Strength(Mpa) ≥12.5		Frequency PSNEXT ELFEXT PSELFEXT					
				Elongation(%) ≥125		(MHz)	≥dB	≥dB	≥dB		
Electrical Characteristics (20℃)		Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks		1	72.3	67.8	64.8		
		1.0-250.0MHz		Impedance (Ω) 100±15		4	63.3	55.8	52.8		
		1.0-250.0MHz		Delay Skew (ns/100m) ≤45		8	58.8	49.7	46.7		
		Unbalanced-to-ground capacitance (pf/100m) max		330		10	57.3	47.8	44.8		
		DC Resistance (Ω/100m) max		9.38		16	54.2	43.7	40.7		
		DC Conductor Resistance Unbalance (%) max		5.0		20	52.8	41.8	38.8		
Reaction to fire Classification: Eca											
Version	A/01	Date	2017-08-25	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua		