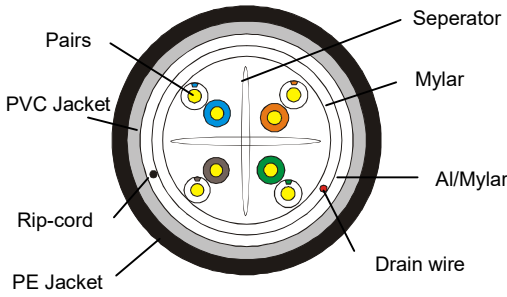


TECHNICAL DATA SHEET



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

P/N: LVN-CAT6PE-2FUTP-305M

Content of the Data Sheet											
Sheath Printing		TBD									
Customer No.			Customer Reference								
Category		F/UTP CAT6-4P-PVC+PE									
Reference Standard		ISO/IEC11801、ANSI/TIA-568.2-D									
Conductor	Material		Solid Bare copper								
	Nom.O.D.(mm)		0.550	up	+0.005	down				-0.005	
Insulation	Material		HDPE								
	Diameter		1.10±0.08 mm								
Screening Material		Mylar +Al/Mylar									
Inner Jacket	Material		PVC	Color		TBD		Technical Performance (100m):			
	O.D.		7.4mm (Nom.)								
Outer Jacket	Thickness		0.60±0.05mm				Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
	External O.D.		8.7±0.5 mm				1	20.0	—	74.3	570.00
	Surface		Clean,Frap,Satiation				4.0	23.0	3.78	65.3	552.00
	Material		LDPE (complies RoHS)				8.0	24.5	5.32	60.8	546.73
	Color		Black				10.0	25.0	5.95	59.3	545.38
							16.0	25.0	7.55	56.2	543.00
Surface Printing	Letter height		3.0±0.3mm				20.0	25.0	8.47	54.8	542.05
	Color		White				25.0	24.3	9.51	53.3	541.20
	Print error & Space		≤±0.5%, 1m				31.25	23.6	10.67	51.9	540.44
							62.5	21.5	15.38	47.7	538.55
Core Color	1 White- Blue /Blue			2 White-Orange /Orange			100	20.1	19.80	44.3	537.60
	3 White- Green /Green			4 White- Brown /Brown			200	18.0	28.98	39.8	536.54
Packing		Drum									
Wooden Tray dimension		According to the requires					Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
Packing length		305±1.5m					1	72.3	67.8	64.8	
Rip-cord		Yes		Drain wire		Yes		4	63.3	55.8	52.8
Sheath Physical Properties	Before Aging		Tensile Strength (Mpa)		≥10.0		8	58.8	49.7	46.7	
			Elongation(%)		≥350		10	57.3	47.8	44.8	
	Aging Period (℃×hrs)		100℃×24h×10d				16	54.2	43.7	40.7	
	After Aging		Elongation(%)		≥300		20	52.8	41.8	38.8	
							25	51.3	39.8	36.8	
							31.25	49.9	37.9	34.9	
Electrical Characteristics (20℃)	Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks				62.5	45.4	31.9	28.9	
	1.0-250.0MHz		Impedance (Ω)		100±15		100	42.3	27.8	24.8	
	1.0-250.0MHz		Delay Skew (ns/100m)		≤45		200	37.8	21.8	18.8	
	Unbalanced-to-ground capacitance (pf/100m) max		330				250	36.3	19.8	16.8	
	DC Resistance (Ω/100m) max		9.38								
DC Conductor Resistance Unbalance (%) max		5.0									
Version	A/02	Date	2024-01-10								