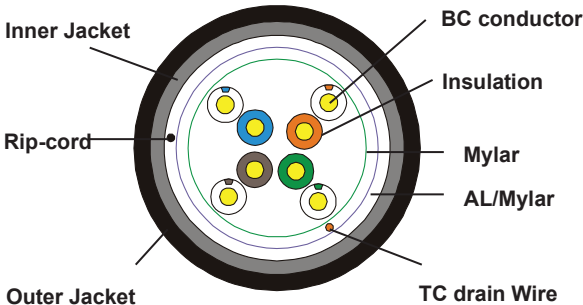


Content of the Data Sheet													
Sheath Printing		TBD											
Customer No.			Customer Reference										
Category		F/UTP CAT5e-4P-PVC+PE											
Reference Standard		ISO/IEC11801、TIA-568-C.2、IEC61156											
Conductor		Material		SOLID-Bare Copper									
		Nom. O.D. (mm)		0.500		Up					+0.005		
						Down					-0.005		
Insulation		Material		HDPE									
		Diameter		1.00±0.05mm									
Color		A.Blue, White-Blue		B.Orange,White-Orange									
		C.Green,White-Green		D.Brown, White-Brown									
Rip-cord		Yes		Drain wire		Yes							
Shielded		Mylar+AL/Mylar					Technical Performance (100m) :						
Inner Sheath		Material		PVC		Color		TBD		Frequency RL	ATT	NEXT	DELAY
		Thickness		0.55 mm						(MHz)	≥dB	≤dB	≥dB
Outer Sheath		Thickness		0.55±0.1mm			1	20.0	—	65.3	570.00		
		External O.D.		7.4±0.5 mm			4.0	23.0	4.1	56.3	552.00		
		Surface		Clean,Frap,Satiation			8.0	24.5	5.8	51.8	546.73		
		Material		LDPE(complies RoHS)			10.0	25.0	6.5	50.3	545.38		
		Color		Black			16.0	25.0	8.2	47.2	543.00		
Surface Printing		Letter height		3.0±0.3mm			20.0	25.0	9.3	45.8	542.05		
		Color		White			25.0	24.3	10.4	44.3	541.20		
		Print error & Space		≤±0.5%, 1m			31.25	23.6	11.7	42.9	540.44		
Packing		Drum					62.5	21.5	17.0	38.4	538.55		
Carton dimension		——					100	20.1	22.0	35.3	537.60		
Packing length		305±1.5m					Frequency	PSNEXT	ELFEXT	PSELFEXT			
							(MHz)	≥dB	≥dB	≥dB			
Out Sheath Physical Properties		Before Aging		Tensile Strength (Mpa) ≥10.0			1	62.3	63.8	60.8			
				Elongation (%) ≥350			4	53.3	51.8	48.8			
		Aging Period (℃×hrs)		100℃×24h×10d			8	48.8	45.7	42.7			
		After Aging		Elongation (%) ≥300			10	47.3	43.8	40.8			
		Cold bend (-20±2℃×4h)		No visible cracks			16	44.4	39.7	36.7			
Electrical Characteristics (20℃)		1.0-100.0MHz, Characteristic impedance (Ω)		100±15			20	42.8	37.8	34.8			
		1.0-100.0MHz, Delay Skew 20℃(ns/100m)		≤45			25	41.3	35.8	32.8			
		DC Resistance 20℃(Ω/100m) max		9.5			31.25	39.9	33.9	30.9			
		DC Conductor Resistance Unbalance (%)max		5.0			62.5	35.4	27.9	24.9			
		Capacitance unbalance to earth (pf/100m) max		330			100	32.3	23.8	20.8			
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua				

[illegible]