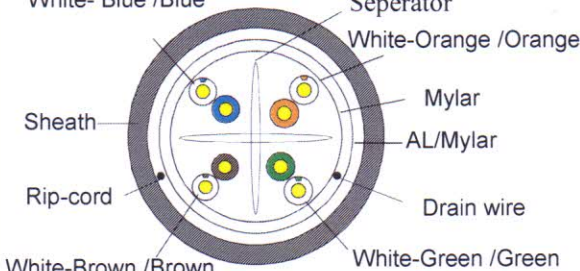


TECHNICAL DATA SHEET

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

P/N: G2402-055

Content of the Data Sheet												
Sheath Printing	TBD											
Customer No.		Customer Reference		White- Blue /Blue Seperator White-Orange /Orange Mylar AL/Mylar Drain wire White-Green /Green White-Brown /Brown Rip-cord Sheath 								
Category	F/UTP CAT6-4P-LSZH(B2ca)											
Reference Standard	ISO/IEC11801, EN 50173, TIA-568-C.2											
Conductor	Material	SOLID-Bare Copper										
	Nom.O.D.(mm)	0.565	up							+0.005		
			down	-0.005								
Insulation	Material	HDPE										
	Diameter	1.12±0.05 mm										
Filling	Plastic Separator : FRPE											
Screening Material	Mylar+ AL/Mylar											
Sheath	Thickness	0.65±0.05mm			Technical Performance (100m):							
	External O.D.	7.5±0.4mm										
	Surface	Clean,Frap,Satiation			Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns			
	Material	FR-LSZH(complies RoHS)			1	20.0	—	74.3	570.00			
	Color	TBD			4.0	23.0	3.78	65.3	552.00			
Surface Printing	Letter height	3.0±0.3mm			8.0	24.5	5.32	60.8	546.73			
	Color	Black			10.0	25.0	5.95	59.3	545.38			
	Print error & Space	≤±0.5%, 1m			16.0	25.0	7.55	56.2	543.00			
					20.0	25.0	8.47	54.8	542.05			
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			25.0	24.3	9.51	53.3	541.20			
	3 White- Green /Green	4 White- Brown /Brown			31.25	23.6	10.67	51.9	540.44			
Packing	Wooden Tray & Carton			62.5	21.5	15.38	47.7	538.55				
Wooden Tray dimension	According to the requires			100	20.1	19.80	44.3	537.60				
Packing length	305±1.5m			200	18.0	28.98	39.8	536.54				
Rip-cord	Yes	Drain wire	Yes	250	17.3	32.85	38.3	536.27				
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa) ≥9.0			Frequency (MHz)					PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
		Elongation (%) ≥100								1	72.3	67.8
	Aging Period (℃×hrs)	100℃×24h×7d			4	63.3	55.8	52.8				
	After Aging	Tensile Strength (Mpa) ≥8.0			8	58.8	49.7	46.7				
		Elongation (%) ≥70			10	57.3	47.8	44.8				
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h)	15times cable O.D. No visible cracks			16	54.2	43.7	40.7				
	1.0-250.0MHz	Impedance (Ω)	100±15		20	52.8	41.8	38.8				
	1.0-250.0MHz	Delay Skew (ns/100m)	≤45		25	51.3	39.8	36.8				
		Unbalanced-to-ground capacitance (pf/100m) max	330		31.25	49.9	37.9	34.9				
		DC Resistance (Ω/100m) max	9.38		62.5	45.4	31.9	28.9				
Reaction to fire Classification: B2ca,s1,d1,a1		DC Conductor Resistance Unbalance (%) max	5.0		100	42.3	27.8	24.8				
					200	37.8	21.8	18.8				
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua			