

REF :PATCH F/UTP 4 pairs cable - category 5e - 100MHz –LSZH Sheath

P/N : 40143307

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration				
2016-03-11				A0					
Content of the Data Sheet									
Sheath Printing									
Customer reference									
Category	PATCH F/UTP CAT5e-4P- LSZH								
Test Standard	ISO/IEC11801、TIA-568-C.2 YD/T1019								
1. Conductor	Material	Stranded Bare Copper							
	Nom. O.D. (mm)	26AWG(7/0.16)							
2. Insulation	Material	HDPE							
	Diameter	0.85±0.04mm							
Color	A.Blue, White-Blue	B.Orange,White-Orange							
	C.Green,White-Green	D.Brown, White-Brown							
3. Rip-cord	Yes	Drain wire	Yes						
4. Shielded	Mylar+AL/Mylar								
5. Sheath	Thickness	0.55±0.05 mm							
	External O.D. (Avg.)	5.3±0.4 mm							
	Surface	Clean,Frap,Satiation							
	Material	LSZH (complies RoHS)							
	Color	Multiple							
Surface Printing	Letter height	3.0±0.3mm							
	Color	Black							
	Print error & Space	≤±0.5% · 1m							
Packing	Carton, pallet								
Carton dimension	According to the requires								
Packing length	305±1.5m								
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0						
		Elongation (%)	≥125						
	Aging Period (°C×hrs)	100°C×24h×7d							
	After Aging	Tensile Strength (Mpa)	≥8.0						
		Elongation (%)	≥100						
	Cold bend(-20±2°C×4h)	8xCable O.D. · No visible cracks							
Electrical Characteristics (20°C)	10-100.0MHz, Characteristic impedance (Ω)		100±15						
	1.0-100.0MHz, Delay Skew 20°C (ns/100m)		≤45						
	Capacitance unbalance to earth (pf/100m) max		330						
	DC Resistance 20°C (Ω/100m) max		14.8						
	DC Conductor Resistance Unbalance (%)max		5.0						
Technical Performance (≤30m):					Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	DELAY (ns)
					1	20.0	3.3	65.3	570.00
Frequency PSNEXT (MHz)					4.0	23.0	6.4	56.3	552.00
					8.0	24.5	8.7	51.8	546.73
Frequency PSNEXT (MHz)					10.0	25.0	9.6	50.3	545.38
					16.0	25.0	12.3	47.2	543.00
Frequency PSNEXT (MHz)					20.0	25.0	13.6	45.8	542.05
					25.0	24.3	15.2	44.3	541.20
Frequency PSNEXT (MHz)					31.25	23.6	17.1	42.9	540.44
					62.5	21.5	24.8	38.4	538.55
Frequency PSNEXT (MHz)					100	20.1	32.0	35.3	537.60
					Frequency PSNEXT (MHz)				
1					62.3	63.8	60.8		
					4				
8									
					10				
16									
					20				
25									
					31.25				
62.5									
					100				

