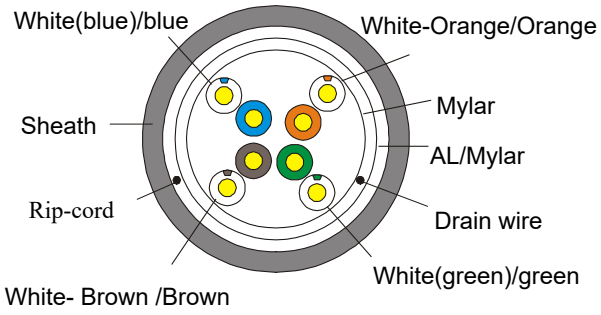
LinkPro™

F/UTP 4 pairs cable - category5E – LSZH Sheath

P/N：LG2302-114

Content of the Data Sheet					
Sheath Printing	TBD				
Customer No.		Customer Reference			
Category	F/UTP CAT5E-4P-LSZH(Dca,s1,d2,a1)				
Reference Standard	ISO/IEC11801、TIA-568-C.2				
Conductor	Material	Solid-Bare Copper			
	Nom.O.D.(mm)	0. 500	up	+0.005	
			down	-0.005	
Insulation	Material	HDPE			
	Diameter	1.00±0.05 mm			
Screening Material	Mylar+ AL/Mylar				
Sheath	Thickness	0.55±0.05mm			
	External O.D.	6.2±0.4 mm			
	Surface	Clean, Frap, Satiation			
	Material	FR-LSZH (complies RoHS)			
	Color	TBD			
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%，1m			
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			
	3 White- Green /Green	4 White- Brown /Brown			
Packing	Wooden Tray & Carton				
Carton dimension	According to the requires				
Packing length	(305±1.5)m				
Rip-cord	Yes	Drain wire	Yes		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0 Elongation(%) ≥125				
	Aging Period(℃×hrs) 100℃×24h×7d				
	After Aging Tensile Strength(Mpa) ≥8.0 Elongation(%) ≥100				
	Cold bend(-20±2℃×4h) 8×Cable O.D.， No visible cracks				
Electrical Characteristics (20℃)	1.0-100.0MHz Impedance(Ω) 100±15				
	1.0-100.0MHz Delay Skew (ns/100m) ≤45				
	unbalanced-to-ground capacitance (pf/100m) max 330				
	DC Resistance (Ω/100m) max 9.5				
	DC Conductor Resistance Unbalance (%) max 5.0				



Technical Performance(100m) :

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	Phase DELAY ≤ns
1	20.0	—	65.3	570.00
4.0	23.0	4.1	56.3	552.00
8.0	24.5	5.8	51.8	546.73
10.0	25.0	6.5	50.3	545.38
16.0	25.0	8.2	47.2	543.00
20.0	25.0	9.3	45.8	542.05
25.0	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8

Reaction to fire Classification：Dca,s1,d2,a1

Version	A/01	Date	2017-09-20	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua

Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihanglie	Nidonghua	Nidonghua	2017-09-20