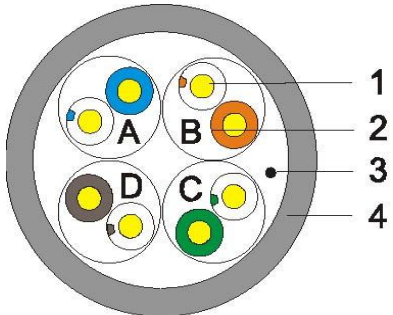


## UTP 4 pairs cable - category 5e - 100MHz - LSZH Sheath

Sheath Printing	LANCRO- UTP 4x2xAWG24 CAT.5E HFFR - VERIFIED ISO IEC 11801-TIA/EIA 568 -EN50575:2016 CPR Class E ca- BATCH __/year" METER MARKING"			
Category	CCA UTP/CAT5e-4P-LSZH			
Test Standard	TIA/EIA 568C.2 ISO/IEC11801			
1. Conductor	Material	Bare Copper Clad Aluminium		
	Nom. O.D. (mm)	0.51	Up	+0.015
			Down	-0.015
2. Insulation	Material	HDPE		
	Diameter	0.90±0.02mm		
Color	A.Blue, White-Blue	B.Orange,White-Orange		
	C.Green,White-Green	D.Brown, White-Brown		
3. Rip-cord	Yes	Drain wire	No	
4. Sheath	Thickness	0.50±0.05 mm		
	External O.D.	5.0±0.3 mm		
	Surface	Clean,Frap,Satiation		
	Material	LSZH(complies RoHS)		
	Color	GREY RAL7035		
Surface Printing	Letter height	3.0±0.3mm		
	Color	GREEN		
	Print error & Space	≤±0.5%, 1m		
Packing	Carton, pallet –ramcro boxes or drums			
Carton dimension	36*36*20cm			
Packing length	305±1.5m			
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10		(MHz)
	Elongation (%)	≥125		
	Aging Period (°C × hrs)	100°C × 24h × 7d		
	After Aging Tensile Strength (Mpa)	≥8		
	Elongation (%)	≥100		
Cold bend (-20±2°C × 4h)	No visible cracks			
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω)	100±15		1
	1.0-100.0MHz, Delay Shew 20°C(ns/100m)	≤45		4
	DC Resistance 20°C(Ω/100m) max	14.1		8
	DC Conductor Resistance Unbalance (%)max	5.0		10
		5.0		16



Technical Performance				
	RL	ATT	NEXT	DELAY
(MHz)	≥dB	≤dB	≥dB	≤ns
1	20.0	2.0	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

	PSNEXT	ELFEXT	PSELFEXT
(MHz)	≥dB	≥dB	≥dB
1	62.3	64.0	61.0
4	53.3	52.0	49.0
8	48.8	45.9	42.9
10	47.3	44.0	41.0
16	44.4	39.9	36.9
20	42.8	38.0	35.0
25	41.3	35.8	33.0
31.25	39.9	34.1	31.1
62.5	35.4	28.1	25.1
100	32.3	24.0	21.0