

TECHNICAL DATA SHEET

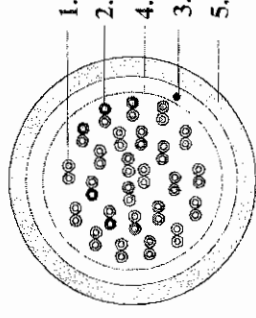
U/UTP 25 pairs cable - category 3 - 16MHz - LSZH Sheath

PN:

Content of the Data Sheet

Sheath Printing	TBD	
Customer No.	Customer Reference	
Category	U/UTP CAT3-25P-LSZH	
Reference Standard	ISO/IEC11801,TIA-568-C.2, EN 50173	
1.Conductor	Material	SOLID-Bare Copper
	Nom. O.D. (mm)	0.470 Up +0.01mm Down -0.01mm
2.Insulation	Material	HDPE
	Diameter	0.83±0.05mm
Color	Bl./Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr.	
	Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-G. Br./Re.-Br. Gr./ Re.-Gr.	
	Bl./ Bla.-Bl. Ora./ Bla.-Ora. Gn./ Bla.-Gn. Br./ Bla.-Br. Gr./ Bla.-Gr.	
	Bl./ Yel.-Bl. Ora./ Yel.-Ora. Gn./ Yel.-Gn. Br./ Yel.-Br. Gr./ Yel.-Gr.	
	Bl./ Pur.-Bl. Ora./ Pur.-Ora. Gn./ Pur.-Gn. Br./ Pur.-Br. Gr./ Pur.-Gr.	
3.Rip-cord	Yes	Drain wire No
4.Shielded	Polyester Tape	
5.Sheath	Thickness	0.85±0.2 mm
	External O.D.	11.0±1.0mm
	Surface	Clean,Frap,Satiation
	Material	LSZH (complies RoHS)
	Color	TBD
Surface Printing	Letter height	3.0±0.3mm
	Color	Black <i>Anterior/Onis</i>
Packing	Print error & Space ≤±1%, 1m	
Packing length	Drum	
	305±1.5m	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa) ≥10.0 Elongation (%) ≥125
	Aging Period (t ×hrs)	100.0×24h×7d
	After Aging	Tensile Strength (Mpa) ≥8.0 Elongation (%) ≥100
	Cold bend (-20±2.0×4h)	No visible cracks
Electrical Characteristics (20...)	1.0-16.0MHz, Characteristic impedance (Ω)	100±15
	1.0-16.0MHz, Delay Skew 20' (ns/100m)	≤45
	DC Resistance 20°C (Ω/100m) max	11.5
	DC Conductor Resistance Unbalance (%)max	5.0

Note: Structure is 3P+9P+13P, the pairs in three layers.



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	12.0	2.6	41.3	570.00
4.0	12.0	5.6	32.3	552.00
8.0	12.0	8.5	27.8	546.73
10.0	12.0	9.7	26.3	545.38
16.0	9.95	13.1	23.3	543.00

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	41.3	39.0	39.0
4	32.3	26.9	26.9
8	27.8	20.9	20.9
10	26.3	19.0	19.0
16	23.3	14.9	14.9

Anterior/Onis