

# LAN CABLE

## REF : U/UTP 50 pairs cable - category 3 - 16MHz – PE Sheath

Product Description: Bare solid copper conductor Rohs/REACH complied PEJacket Installation temperature:-30℃~+50℃			10 Base-T 100 BASE-T4 Telephone Voice Wiring			
Content of the Data Sheet						
Category	U/UTP CAT3-50P-PE					
Test Standard	ISO/IEC11801, TIA-568C.2, EN 50173 YD/T1019					
1. Conductor	Material	SOLID-Bare Copper				
	Nom. O.D. (mm)	0.50	Up	+0.005mm		
			Down	-0.005mm		
2. Insulation	Material	HDPE				
	Diameter	0.87±0.02mm				
Color	Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn/Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-Gn. 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.			Before Aging	Tensile Strength (Mpa)	≥10.0
						Elongation (%)
3. Rip-cord	Yes	Drain wire	No			
4. Shielded	Polyester					
5. Sheath	Thickness	0.9±0.4 mm				
	External O.D.	15±1.0 mm				
	Surface	Clean, Frap, Satiation				
	Material	PE				
	Color	Black				
Surface Printing	Letter height	3.5±0.3mm				
	Color	White				
	Print error & Space	≤±1%, 1m				
Packing	Drum					
Packing length	305±1.5m					
<b>Note: Structure: a. 1P~12P &amp; 13P~25P be tied up with White/Blue Identification tape, b.1P~12P &amp; 13P~25P be tied up with White/Orange Identification tape.</b>						

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Technical Performance (100m):								
Frequency (MHz)	RL $\geq$ dB	ATT $\leq$ dB	NEXT $\geq$ dB	PHASE DELAY $\leq$ ns	Frequency (MHz)	PSNEXT $\geq$ dB	ELFEXT $\geq$ dB	PSELFEXT $\geq$ dB
1	12.0	2.6	41.3	570.00	1	41.3	39.0	39.0
4.0	12.0	5.6	32.3	552.00	4	32.3	26.9	26.9
8.0	12.0	8.5	27.8	546.73	8	27.8	20.9	20.9
10.0	12.0	9.7	26.3	545.38	10	26.3	19.0	19.0
16.0	9.95	13.1	23.3	543.00	16	23.3	14.9	14.9



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Technical Performance (100m):								
Frequency RL		ATT	NEXT	PHASE DELAY	Frequency PSNEXT		ELFEXT	PSELFEXT
(MHz)	≥dB	≤dB	≥dB	≤ns	(MHz)	≥dB	≥dB	≥dB
1	12.0	2.6	41.3	570.00	1	41.3	39.0	39.0
4.0	12.0	5.6	32.3	552.00	4	32.3	26.9	26.9
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10.0	12.0	9.7	26.3	545.38	10	26.3	19.0	19.0
16.0	9.95	13.1	23.3	543.00	16	23.3	14.9	14.9

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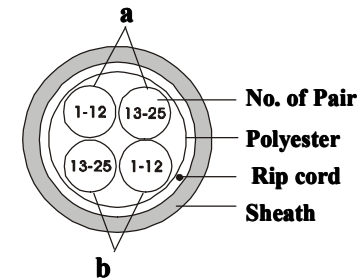
# LAN CABLE

## REF : U/UTP 50 pairs cable - category 3 - 16MHz - LSZH Sheath

Product Description: Rated temperature: 90°C Reference Standard:UL444,UL1581 Bare solid copper conductor Rohs/REACH complied LSZH Jacket Flame Test: IEC60332-1 ,IEC60332-3C Installation temperature:-30°C~+50°C	10 Base-T 100 BASE-T4 Telephone Voice Wiring
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### Content of the Data Sheet

Category	U/UTP CAT3-50P-LSZH			
Test Standard	ISO/IEC11801, TIA-568C.2, EN 50173 YD/T1019			
1. Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.50	Up	
Down			-0.005mm	
2. Insulation	Material	HDPE		
	Diameter	0.87±0.02mm		
Color	Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn/Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-Gn. 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.			Sheath Physical Properties
3. Rip-cord	Yes	Drain wire	No	
4. Shielded	Polyester			
5. Sheath	Thickness	0.9±0.4 mm		
	External O.D.	15±1.0 mm		
	Surface	Clean,Frap,Satiation		
	Material	LSZH		
Surface Printing	Color	Multiple		
	Letter height	3.5±0.3mm		
	Color	Black		
Packing	Drum			
	Packing length	305±1.5m		



Before Aging	Tensile Strength (Mpa)	≥10.0
	Elongation (%)	≥125

Aging Period (°C×hrs)	100°C×24h×7d
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After Aging	Tensile Strength (Mpa)	≥8.0
	Elongation (%)	≥100

Cold bend (-20±2°C×4h)	No visible cracks
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1.0-16.0MHz, impedance (Ω)	100±15
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Delay Shew 20°C(ns/100m)	≤45
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Capacitance(nF/100m) max:	6.6
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DC Resistance(Ω/100m) max	9.5
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**Note: Structure: a. 1P~12P & 13P~25P be tied up with White/Blue Identification tape, b.1P~12P & 13P~25P be tied up with White/Orange Identification tape.**

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Technical Performance (100m):								
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(MHz)	≥dB	≤dB	≥dB	≤ns	(MHz)	≥dB	≥dB	≥dB
1	12.0	2.6	41.3	570.00	1	41.3	39.0	39.0
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