

LAN CABLE

REF : U/UTP 100 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 CAT3-100P-PE		
Test Standard	ISO/IEC11801,TIA-568-C.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.-Gnr. 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 (%) ≥350
3.Rip-cord	Yes	Drain wire	No
4.Shielded	Polyester		
5.Sheath	Thickness	1.0±0.4 mm	
	External O.D.	20.2±1.0mm	
	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		

Sheath Physical Properties	Aging Period (°C × hrs)	100 °C × 24h × 10d		
	After Aging Elongation (%)		≥300	
	Cold bend (-20±2°C ×4h)		No visible cracks	
	Electrical Characteristics (20°C)	1.0-16.0MHz, impedance (Ω)		100±15
		Delay Shew 20°C (ns/100m)		≤45
		NVP		65%
		Capacitance(nF/100m) max:		6.6
		DC ResistanceΩ/100m) max		9.5
DC Conductor Resistance Unbalance(%) max		5.0		

Note: Structure: a. 1P~25P be tied up with White/Blue Identification tape, b. 26P~50P be tied up with White/Orange Identification tape, c. 51P~75P be tied up with White/Green Identification tape, d. 76P~100P be tied up with White/Brown Identification tape,

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Technical Performance (100m):								
Frequency RL (MHz)	≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	Frequency PSNEXT (MHz)	≥dB	ELFEXT ≥dB	PSELFEXT ≥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

LAN CABLE

REF : U/UTP 100 pairs cable - category 3 - 16MHz -PVC Sheath

Product Description: Rated temperature: 60°C,75°C, 90°C Reference Standard: UL444,UL1581 ,UL1666 Bare solid copper conductor Rohs/REACH complied PVC Jacket Flame Test: CMX,CM,CMR 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 CAT3-100P-PVC			<p style="text-align: right;">No. of Pair Polyester Rip cord Sheath</p>
Test Standard	ISO/IEC11801,TIA-568-C.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 Electrical Characteristics (20°C)
3.Rip-cord	Yes	Drain wire	No	
4.Shielded	Polyester			
5.Sheath	Thickness	1.0±0.4 mm		
	External O.D.	20.2±1.0mm		
	Surface	Clean,Frap,Satiation		
	Material	PVC		
	Color	Multiple		
Surface Printing	Letter height	3.5±0.3mm		
	Color	Black		
	Print error & Space	≤±1%, 1m		
Packing	Drum			
Packing length	305±1.5m			

Before Aging	Tensile Strength (Mpa)	≥13.5
	Elongation (%)	≥150
Aging Period (°C × hrs)	100°C × 24h × 7d	
After Aging	Tensile Strength (Mpa)	≥12.5
	Elongation (%)	≥125
Cold bend (-20±2°C×4h)	No visible cracks	
1.0-16.0MHz,	impedance (Ω)	100±15
Delay Shew 20°C(ns/100m)	≤45	
NVP	65%	
Capacitance(nF/100m) max:	6.6	
DC ResistanceΩ/100m) max	9.5	
DC Conductor Resistance Unbalance(%) max	5.0	

Note: Structure: a. 1P~25P be tied up with White/Blue Identification tape, b. 26P~50P be tied up with White/Orange Identification tape, c. 51P~75P be tied up with White/Green Identification tape, d. 76P~100P be tied up with White/Brown Identification tape,

LAN CABLE

Technical Performance (100m):								
Frequency RL (MHz)	\geq dB	ATT \leq dB	NEXT \geq dB	PHASE DELAY \leq ns	Frequency PSNEXT (MHz)	\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
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16.0	9.95	13.1	23.3	543.00	16	23.3	14.9	14.9

LAN CABLE

REF : U/UTP 100 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 CAT3-100P-LSZH																																																																																						
Test Standard	ISO/IEC11801,TIA-568-C.2, EN 50173 YD/T1019																																																																																						
1.Conductor	Material	SOLID-Bare Copper																																																																																					
	Nom. O.D. (mm)	0.50	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Up</td> <td>+0.005mm</td> </tr> <tr> <td>Down</td> <td>-0.005mm</td> </tr> </table>		Up	+0.005mm	Down	-0.005mm																																																																															
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LAN CABLE

Technical Performance (100m):								
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