

LAN CABLE

REF : U/UTP 2 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 CAT3-2P-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	A.Blue, White-Blue		B.Orange,White-Orange		
3.Rip-cord	Yes	Drain wire	No		
4. Shielded	Polyester				
5. Sheath	Thickness	0.50±0.4 mm			
	External O.D.	4.0±0.4mm			
	Surface	Clean,Fraps,Satiation			
	Material	PE			
	Color	Black			
Surface Printing	Letter height	3.0±0.3mm			
	Color	White			
	Print error & Space	≤±1%, 1m			
Packing	Carton, pallet				
Carton dimension	35*35*20cm				
Packing length	500±2.0m				

The diagram illustrates the internal structure of the cable. It features a central core with four conductors: two blue and two orange, each surrounded by insulation. A black rip-cord is positioned between the conductors. A black PET tape is wrapped around the core, and the entire assembly is encased in a grey sheath.

Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0
		Elongation (%)	≥350
	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 Resistance 20°C(Ω/100m) max	9.5	
	DC Conductor Resistance Unbalance (%)max	5	

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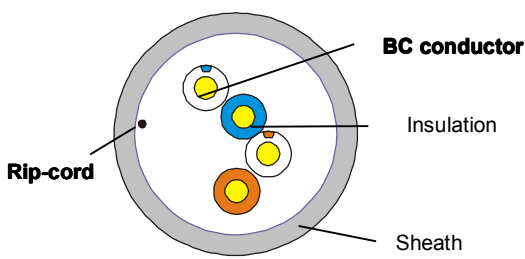
Technical Performance (100m):				
Frequency (MHz)	RL \geq dB	ATT \leq dB	NEXT \geq dB	DELAY \leq ns
1	12.0	2.6	41.3	570.00
4.0	12.0	5.6	32.3	552.00
8.0	12.0	8.5	27.8	546.73
10.0	12.0	9.7	26.3	545.38
16.0	9.95	13.1	23.3	543.00

LAN CABLE

REF : U/UTP 2 pairs cable - category 3- 16MHz - PVC Sheath

Product Description: Rated temperature:60℃,75℃, 90℃ Reference Standard:UL444,UL1581, UL1666 Bare solid copper conductor Rohs/REACH complied PVC Jacket Flame Test: CMX,CM,CMR Installation temperature:-30℃~+50℃	10 Base-T 100 BASE-T4 Telephone Voice Wiring
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Content of the Data Sheet

Category	U/UTP CAT3-2P-PVC					
Test Standard	ISO/IEC11801,TIA-568-C.2, EN 50173YD/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	A.Blue, White-Blue		B.Orange,White-Orange		Before Aging	Tensile Strength (Mpa) ≥13.5 Elongation (%) ≥150
					After Aging	Tensile Strength (Mpa) ≥12.5 Elongation (%) ≥125
3. Rip-cord	Yes	Drain wire	No		Aging Period (°C×hrs)	100°C×24h×7d
4. Shielded	Polyester			Sheath Physical Properties	Cold bend (-20±2°C×4h)	No visible cracks
5. Sheath	Thickness	0.50±0.4 mm			1.0-16.0MHz, impedance (Ω)	100±15
	External O.D.	4.0±0.4mm			Delay Shew 20°C (ns/100m)	≤45
	Surface	Clean, Frap, Satiation			NVP	65%
	Material	PVC			Capacitance(nF/100m) max:	6.6
Surface Printing	Color	Multiple		DC Resistance 20°C (Ω/100m) max	9.5	
	Letter height	3.0±0.3mm		DC Conductor Resistance Unbalance (%)max	5	
	Color	Black				
Packing	Carton, pallet					
Carton dimension	35*35*20cm					
Packing length	500±2.0m					
				Electrical Characteristics (20°C)		

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Technical Performance (100m):

Frequency (MHz)	RL \geq dB	ATT \leq dB	NEXT \geq dB	PHASE DELAY \leq 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

LAN CABLE

REF : U/UTP 2 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 CAT3-2P-LSZH			
Test Standard	ISO/IEC11801,TIA-568-C.2, EN 50173YD/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	A.Blue, White-Blue		B.Orange,White-Orange	
3. Rip-cord	Yes	Drain wire	No	
4. Shielded	Polyester			
5. Sheath	Thickness	0.50±0.4 mm		
	External O.D.	4.0±0.4mm		
	Surface	Clean,Frap,Satiation		
	Material	LSZH		
	Color	Multiple		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±1%, 1m		
Packing	Carton, pallet			
Carton dimension	35*35*20cm			
Packing length	500±2.0m			

Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0
		Elongation (%)	≥125
	Aging Period (°C×hrs)		100°C×24h×7d
	After Aging	Tensile Strength (Mpa)	≥8.0
	Elongation (%)	≥100	
	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 Resistance 20°C (Ω/100m) max		9.5
	DC Conductor Resistance Unbalance (%)max		5

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Technical Performance (100m):

Frequency (MHz)	RL \geq dB	ATT \leq dB	NEXT \geq dB	DELAY \leq 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
