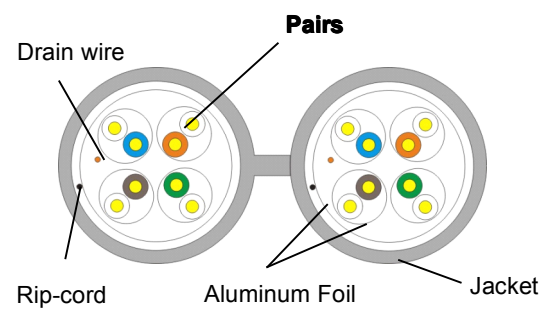


# LAN CABLE

## DUPLEX F/FTP 4Pairs cable-category 6A-PVC Sheath

<b>Product Description:</b> 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℃			<b>Application:</b> Volp , ISDN Token , 100M TP-PDM Analog and Data Video TR-16 Active And Passive 155M/662m/1.2GATM IEEE802.3: 100Bease;100Base-T 1000Base-T 10GBase-T		
Content of the Data Sheet					
Category	DUPLEX F/FTP CAT6A-4P-PVC				
Test Standard	ISO/IEC11801、 TIA-568-C.2 YD/T 1019				
Conductor	Material	Solid-Bare Copper			
	Nom.O.D.(mm)	0.570	up	+0.005	
			down	-0.005	
Insulation	Material	Skin-foam-skin PE			
	Diameter	1.350±0.05 mm			
Screening Material	Aluminum Foil				
Sheath	Thickness	0.55 ± 0.05mm			
	External O.D.	(7.6-16.0) ± 0.4 mm			
	Surface	Clean, Frap, Satiation			
	Material	PVC			
	Color	According to the requires			
Surface Printing	Letter height	3.0 ± 0.3mm			
	Color	Black			
	Print error & Space	≤ ± 0.5%, 1m			
Core Color	1 White /Blue	2 White /Orange			
	3 White /Green	4 White /Brown			
Packing	Wooden Tray				
Wooden Tray dimension	According to the requires				
Packing length	305 ± 1.5m				
Rip-cord	Yes	Drain wire	Yes		



Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥ 13.5
		Elongation(%)	≥ 150
	Aging Period (℃ × hrs)	100℃ × 24h × 7d	
	After Aging	Tensile Strength(Mpa)	≥ 12.5
	Elongation(%)	≥ 125	
	Cold bend(-20±2℃ × 4h) 8 × Cable O.D.No visible cracks		
Electrical Characteristics (20℃)	Delay Shew (ns/100m)	≤ 45	
	Velocity of Propagation (%)	74	
	Capacitance(nF/100m) max:	5.6	
	unbalanced-to-ground capacitance (pf/100m) max	330	
	DC Resistance (Ω/100m) max	9.38	
	DC Conductor Resistance Unbalance (%) max	2.0	

# LAN CABLE

Technical Performance (100m):								
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.1	74.3	570.0	1	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552.0	4	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.7	8	48.8	49.7	46.7
10.0	25.0	5.9	59.3	545.4	10	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.0	16	54.2	43.7	40.7
20.0	25.0	8.4	54.8	542.1	20	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.2	25	41.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	31.25	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	62.5	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	100	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	200	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	250	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	300	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	500	31.8	13.8	10.8

# LAN CABLE

## DUPLEX F/FTP 4Pairs cable-category 6A-LSZH Sheath

<b>Product Description:</b> 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	<b>Application:</b> Volp , ISDN Token , 100M TP-PDM Analong and Data Video TR-16 Active And Passive 155M/662m/1.2GATM IEEE802.3: 100Bease;100Base-T 1000Base-T 10GBase-T
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Content of the Data Sheet

Category	DUPLEX F/FTP CAT6A-4P-LSZH					
Test Standard	ISO/IEC11801、 TIA-568-C.2 YD/T 1019					
Conductor	Material	Solid-Bare Copper				
	Nom.O.D.(mm)	0.570	<table border="1" style="font-size: small;"> <tr> <td>up</td> <td>+0.005</td> </tr> <tr> <td>down</td> <td>-0.005</td> </tr> </table>			up
up	+0.005					
down	-0.005					
Insulation	Material	Skin-foam-skin PE				
	Diameter	1.350±0.05 mm				
Screening Material	Aluminum Foil					
Sheath	Thickness	0.55 ± 0.05mm		Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥ 10.0 Elongation(%) ≥ 125	
	External O.D.	(7.6-16.0) ± 0.4 mm			Aging Period (°C × hrs) 100°C × 24h × 7d	
	Surface	Clean, Frap, Satiation			After Aging Tensile Strength(Mpa) ≥ 8.0 Elongation(%) ≥ 100	
	Material	LSZH			Cold bend(-20±2°C×4h) 8×Cable O.D.No visible cracks	
Surface Printing	Color	According to the requires		Electrical Characteristics (20°C)	Delay Shew (ns/100m) ≤ 45	
	Letter height	3.0 ± 0.3mm			Velocity of Propagation (%) 74	
	Print error & Space	≤ ± 0.5%, 1m			Capacitance(nF/100m) max: 5.6	
Core Color	1 White /Blue	2 White /Orange		unbalanced-to-ground capacitance (pf/100m) max 330		
	3 White /Green	4 White /Brown		DC Resistance (Ω/100m) max 9.38		
Packing	Wooden Tray			DC Conductor Resistance Unbalance (%) max 2.0		
Wooden Tray dimension	According to the requires					
Packing length	305 ± 1.5m					
Rip-cord	Yes	Drain wire	Yes			

# LAN CABLE

## 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	20.0	2.1	74.3	570.0	1	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552.0	4	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.7	8	48.8	49.7	46.7
10.0	25.0	5.9	59.3	545.4	10	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.0	16	54.2	43.7	40.7
20.0	25.0	8.4	54.8	542.1	20	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.2	25	41.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	31.25	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	62.5	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	100	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	200	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	250	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	300	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	500	31.8	13.8	10.8