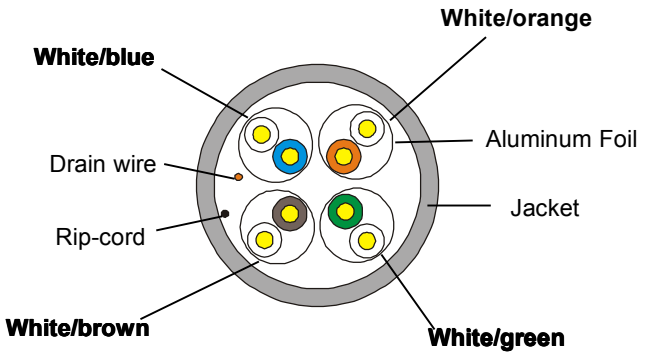
LAN CABLE

U/FTP 4Pairs cable-category 6A-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℃	Application： 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

Content of the Data Sheet

Category	U/FTP-CAT6A-4P-PVC			
Test Standard	ISO/IEC11801、TIA-568-C.2 、 YD/T1019			
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	Aluminum Foil	Drain wire	TC 0.45mm	
Material Sheath	Thickness	0.55±0.05 mm		
	External O.D.	7.4±0.5 mm		
	Surface	Clean		
	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 (With striped 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±1.0m			
Rip-cord	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
	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
1	20.0	2.1	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	58.8	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	51.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0
300	35.1	18.5	15.5
500	31.8	14.0	11.0

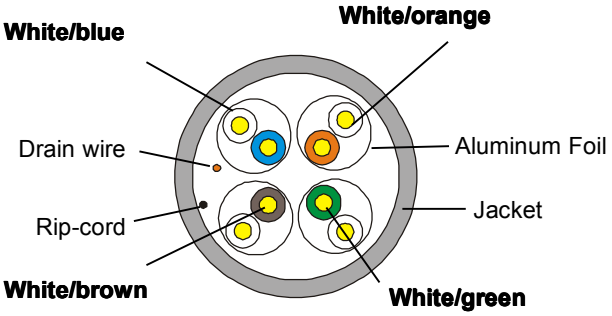
LAN CABLE

U/FTP 4Pairs cable-category 6A-LSZH Sheath

Product Description: Rated temperature: 90℃ Reference Standard:UL444,UL1581 Bare solid copper conductor Rohs/REACH complied LSZH Jacket Flame Test: IEC60332-1 ,IEC60332-3C CMX Installation temperature:-30℃～+50℃	Application： 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

Content of the Data Sheet

Category	U/FTP-CAT6A-4P-LSZH			
Test Standard	ISO/IEC11801、TIA-568-C.2 、 YD/T1019			
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	Aluminum Foil	Drain wire	TC 0.45mm	
Material Sheath	Thickness	0.55±0.05 mm		
	External O.D.	7.4±0.5 mm		
	Surface	Clean		
	Material	LSZH		
	Color	According to the requires		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±0.5%，1m		
Core Color (With striped 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±1.0m			
Rip-cord	Yes			



Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0 Elongation (%) ≥125
	Aging Period (℃×hrs) 100℃×24h×7d
	After Aging Tensile Strength (Mpa) ≥ 8.0 Elongation (%) ≥100
	Cold bend (-20±2℃×4h) 8×Cable O.D.，No visible cracks
Electrical Characteristics (20℃)	Delay Shew (ns/100m) ≤45
	Velocity of Propagation (%) 74
	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
1	20.0	2.1	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	58.8	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	51.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0
300	35.1	18.5	15.5
500	31.8	14.0	11.0