

LAN CABLE

S/FTP 4Pairs cable-category 7A-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	S/FTP-CAT7A-4P-PVC-TC40			
Test Standard	ISO/IEC 61156-5;EN 50288-4 ,YD/T1019			
Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	0.560	up +0.005 down -0.005	
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05 mm		
Inner Screening Material	Aluminum Foil	Drain wire	No	
Outer Screening Material	Tinned copper 0.10mm	Coverage	≥40%	
	Thickness	0.55±0.05 mm		
Sheath	External O.D.	7.8±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	1 White/Blue	2 White/Orange		
	3 White/Green	4 White/Brown		
Packing	Wooden Tray & Carton			
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
				Impedance(Ω) : (1-100MHz) 100±15Ω (100-250MHz) 100±18Ω (250-1000MHz) 100±25Ω
				Delay Shew (ns/100m) ≤25
Electrical Characteristics (20℃)				Velocity of Propagation (%) 74
				unbalanced-to-ground capacitance (pf/100m) max 330
				DC Resistance (Ω/100m) max 9.5
				DC Conductor Resistance Unbalanc (%) max 2.0

LAN CABLE

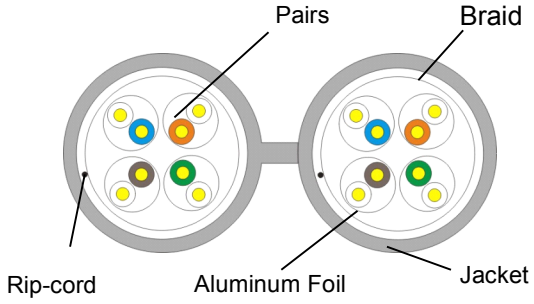
Technical Performance (100m):

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
1.0	20.0	2.0	78.0	570.0	1	75.0	78.0	75.0
4.0	23.0	3.74	78.0	552.0	4	75.0	78.0	75.0
8.0	24.5	5.24	78.0	546.7	8	75.0	75.9	72.9
10.0	25.0	5.86	78.0	545.4	10	75.0	74.0	71.0
16.0	25.0	7.41	78.0	543.0	16	75.0	69.9	66.9
20.0	25.0	8.29	78.0	542.0	20	75.0	68.0	65.0
25.0	24.3	9.29	78.0	541.2	25	75.0	66.0	63.0
31.25	23.6	10.41	78.0	540.4	31.25	75.0	64.1	61.1
62.5	21.5	14.88	75.5	538.6	62.5	72.5	58.1	55.1
100	20.1	19.02	72.4	537.6	100	69.4	54.0	51.0
150	18.9	23.56	69.8	536.9	150	66.8	50.2	47.2
200	18.0	27.47	67.9	536.5	200	64.9	48.0	45.0
250	17.3	30.97	66.4	536.3	250	63.4	46.0	43.0
300	16.8	34.19	65.2	536.1	300	62.2	44.5	41.5
600	14.7	50.10	60.7	535.5	600	57.7	38.4	35.4
1000	13.1	66.93	57.4	535.1	1000	54.4	34.0	31.0

LAN CABLE

DUPLEX S/FTP 4Pairs cable-category 7-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				Application: Volp , ISDN Token , 100M TP-PDM Analog and Data Video TR-16 Active And Passive 155M/662m/1.2GATM IEEE802.3: 100Base;100Base-T 1000Base-T 10GBase-T			
Content of the Data Sheet							
Category	DUPLEX S/FTP-CAT7-4P-LSZH-TC40						
Test Standard	ISO/IEC 61156-5; EN 50288-4 ,YD/T1019						
Conductor	Material	SOLID-Bare Copper					
	Nom.O.D.(mm)	0.580	up	+0.005			
			down	-0.005			
Insulation	Material	Skin-foam-skin PE					
	Diameter	1.350±0.05 mm					
Inner Screening Material	Aluminum Foil	Drain wire	No				
Outer Screening Material	Tinned copper 0.10mm	Coverage	≥40%				
Sheath	Thickness	0.55±0.05 mm					
	External O.D.	(7.9-16.8)±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	1 White/Blue	2 White/Orange					
	3 White/Green	4 White/Brown					
Packing	Wooden Tray & Carton						
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 (°C×hrs)	100°C×24h×7d	
	After Aging	Tensile Strength (Mpa)	≥8
	Elongation (%)	≥100	
	Cold bend (-20±2°C×4h) 8×Cable O.D., No visible cracks		
Electrical Characteristics (20°C)	Impedance(Ω) :	(1-100MHz) 100±15Ω	
		(100-250MHz) 100±18Ω	
		(250-600MHz) 100±25Ω	
	Delay Shew (ns/100m)	≤25	
	Velocity of Propagation (%)	74	
	Capacitance(nF/100m) max:	5.6	
	unbalanced-to-ground capacitance (pf/100m)max	330	
	DC Resistance (Ω/100m) max	9.5	
DC Conductor Resistance Unbalanc (%) max	2.0		

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
1.0	20.0	2.0	78.0	570.0	1	75.0	78.0	75.0
4.0	23.0	3.74	78.0	552.0	4	75.0	78.0	75.0
8.0	24.5	5.24	78.0	546.7	8	75.0	75.9	72.9
10.0	25.0	5.86	78.0	545.4	10	75.0	74.0	71.0
16.0	25.0	7.41	78.0	543.0	16	75.0	69.9	66.9
20.0	25.0	8.29	78.0	542.0	20	75.0	68.0	65.0
25.0	24.3	9.29	78.0	541.2	25	75.0	66.0	63.0
31.25	23.6	10.41	78.0	540.4	31.25	75.0	64.1	61.1
62.5	21.5	14.88	75.5	538.6	62.5	72.5	58.1	55.1
100	20.1	19.02	72.4	537.6	100	69.4	54.0	51.0
150	18.9	23.56	69.8	536.9	150	66.8	50.2	47.2
200	18.0	27.47	67.9	536.5	200	64.9	48.0	45.0
250	17.3	30.97	66.4	536.3	250	63.4	46.0	43.0
300	17.3	34.19	65.2	536.1	300	62.2	44.5	41.5
600	17.3	50.10	60.7	535.5	600	57.7	38.4	35.4