

LAN CABLE

S/FTP 4Pair cable Category 7 PVC Sheath (Solid Copper)

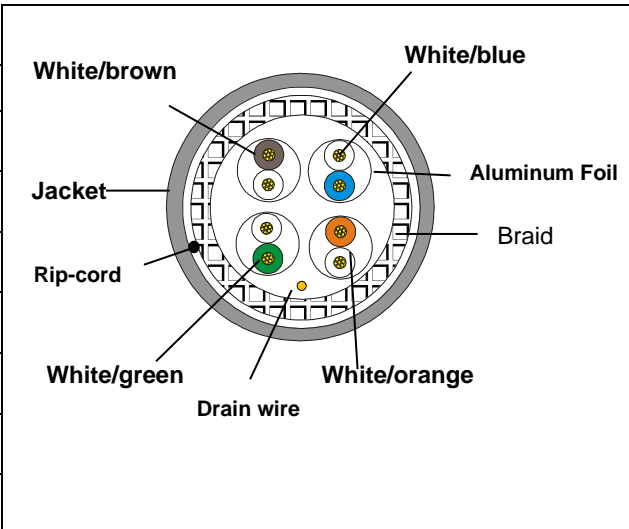
Technical Performance (100m):								
Frequency RL (MHz)	ATT ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	78.0	570.0	1	75.0	78.0	75.0
4.0	23.0	3.74	78.0	552.0	4	75.0	78.0	75.0
8.0	24.5	5.24	78.0	546.7	8	75.0	75.9	72.9
10.0	25.0	5.86	78.0	545.4	10	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

PATCH CORD S/FTP 4Pairs cable-Category 7-PVC Sheath (Stranded copper)

P/N: G2602-078

Content of the Data Sheet

Sheath Printing	TBD			
Customer No.		Customer Reference		
Category	PATCH S/FTP-CAT7-4P-PVC-AM40			
Reference Standard	ISO/IEC11801、IEC61156-6			
Conductor	Material	Stranded-Bare Copper		
	dimension.(mm)	26AWG(7/0.16)		
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.00±0.05 mm		
Inner Screening Material	Aluminum Foil	Drain wire	Yes	
Outer Screening Material	Aluminum-magnesium alloy 0.12mm	Coverage	≥40%	
Sheath	Thickness	0.55±0.05 mm		
	External O.D.	6.1±0.4 mm		
	Surface	Clean		
	Material	PVC(complies RoHS)		
	Color	TBD		
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 (°C×hrs)	100°C×24h×7d		
	After Aging Tensile Strength (Mpa)	≥12.5		
	Elongation (%)	≥125		
Cold bend (-20±2°C×4h)	8×Cable O.D., No visible cracks			
Electrical Characteristics (20°C)	DC Resistance (Ω/100m) max	14.8		
	DC Conductor Resistance Unbalance (%) max	5.0		
	Unbalanced-to-ground capacitance (pf/100m) max	330		



Technical Performance (100m)				
Delay Skew (ns/100m)	≤45			
Velocity of Propagation (%)	74			
Impedance (Ω) :	(1-100MHz)	100 ± 15 Ω		
	(100-250MHz)	100 ± 18 Ω		
	(250-600MHz)	100 ± 25 Ω		
Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	PHASE DELAY (ns)
4.0	23.0	5.6	78.0	552.0
10.0	25.0	8.8	78.0	545.4
16.0	25.0	11.1	78.0	543.0
20.0	25.0	12.4	78.0	542.0
31.25	23.6	15.6	78.0	540.4
62.5	21.5	22.3	75.5	538.6
100	20.1	28.5	72.4	537.6
200	18.0	41.2	67.9	536.5
250	17.3	46.5	66.4	536.3
300	17.3	51.3	65.2	536.1
600	17.3	75.1	60.7	535.5
Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	
4	75.0	78.0	75.0	
10	75.0	74.0	71.0	
16	75.0	69.9	66.9	
20	75.0	68.0	65.0	
31.25	75.0	64.1	61.1	
62.5	72.5	58.1	55.1	
100	69.4	54.0	51.0	
200	64.9	48.0	45.0	
250	63.4	46.0	43.0	
300	62.2	44.5	41.5	
600	57.7	38.4	35.4	

Version	A/01	Date	2019-08-31	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua
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CAT 7A 1,000MHz

S/FTP 4Pairs cable-category 7A-FR LSZH Sheath

P/N: G2701-060

Content of the Data Sheet

Sheath Printing	TBD																																																																																														
Customer No.		Customer Reference																																																																																													
Category	S/FTP-CAT7A-4P-LSZH-TC30(B2ca)																																																																																														
Reference Standard	ISO/IEC 61156-5;EN 50288-4																																																																																														
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	Al/Mylar	Drain wire	No																																																																																												
Outer Screening Material	Tinned copper 0.10mm	Coverage	≥30%																																																																																												
Sheath	Thickness	0.55±0.05 mm																																																																																													
	External O.D.	7.6±0.5 mm																																																																																													
	Surface	Clean																																																																																													
	Material	FR-LSZH(complies RoHS)																																																																																													
	Color	TBD																																																																																													
Surface Printing	Letter height	3.0±0.3mm																																																																																													
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	Print error & Space	≤±0.5%, 1m																																																																																													
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Packing	Drum																																																																																														
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Packing length	305±1.0m																																																																																														
Rip-cord	Yes																																																																																														
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0																																																																																												
		Elongation (%)	≥100																																																																																												
	Aging Period (°C×hrs)	100°C×24h×7d																																																																																													
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