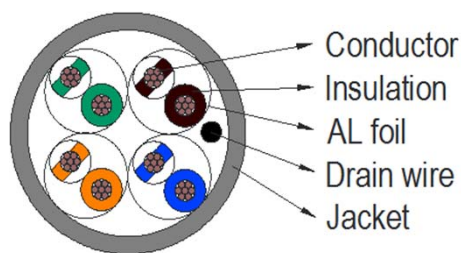
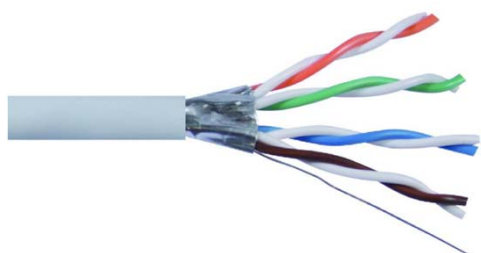


Technical Data Sheet

Cat. 6A U/FTP 4 Pairs 28AWG Screened Patch Cable



High Frequency Performance	Category	Category 6A, CLASS Ea				
LSOH Standards	IEC60754-2, IEC61034-1, IEC61034-2					
Environmental Compliance	RoHS					
Marking on Sheath	PVC	ABA U/FTP PATCH CABLE 28AWG 4PR ANSI/TIA 568C.2 CAT.6A XXXXXXXX-X				
	LSOH	ABA U/FTP PATCH CABLE 28AWG 4PR ANSI/TIA 568C.2 CAT.6A LSOH XXXXXXXX-X				
	Customization Available					
Example	Cable Sheath Type		Cable Sheath Color		Packaging	
	A B A H G		02017035		04	
Part Number	Cable Sheath Type	Part Number	Color-RAL	Part Number	Length,Packaging	Part Number
	PVC	A B A H G	Black-RAL9011	01019011	100M,PE Roll	01
			Grey-RAL7035	02017035	1000FT,PE Roll	04
			Red-RAL3031	03013031	500M,Wooden Reel	33
			White-RAL9010	05019010	1000FT,Wooden Reel	34
	LSOH	A B B H G	Yellow-RAL1021	06011021	1000FT,Neutral Easy Box,Reel w/ Holder	54
			Blue-RAL5015	07015015		
			Green-RAL6029	08016029		
Orange-RAL2003			09012003			

ABA Industry, Inc.
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Technical Data Sheet

Cat. 6A U/FTP 4 Pairs 28AWG Screened Patch Cable

Conductor	Material	Bare Copper	
	Structure	28AWG, 7 x 0.127mm	
Insulation	Material	HDPE	
	Structure	0.86mm	
Foil Screen	Material	Aluminum/PET	
	Thickness	25/25 μ m	
Braid	Material	N/A	
	Structure	N/A	
Rip cord	N/A		
Drain Wire	Material	Tin Plated Copper	
	Structure	7 x 0.127mm	
Sheath	Material	PVC or LSOH	
	Thickness	0.51mm	
	OD	5.3 \pm 0.2mm	
Bending Radius (without load)	Min. 8 x Cable Diameter		
Temperature Range	Installation Temperature	0 to 50°C	
	Storage Temperature	-40 to 70°C (Under static conditions)	
	Operation Temperature	-20 to 60°C (Under static conditions)	
Conductor Resistance @20°C	Max. 14.5 Ohms/100m	Resistance Unbalance @20°C	Within a pair: 2% Max. Between pairs: 4% Max.
Dielectric Strength	1kV DC or 0.7kV AC for 60secs		
Mutual Capacitance	N/A	Max. Capacitance Unbalance (Pair to Ground @20°C)	1200 pF/km @1kHz
Transfer Impedance (Max.)	100 mOhms @10MHz		
Mean Characteristic Impedance	100 Ohms \pm 5 Ohms @100MHz	Nominal Velocity Propagation	66%
Max. Delay Skew @20°C	45 nsec/100m @ 100MHz		

Transmission Characteristics

FREQ MHz	RL (min. dB at 20°C)	NEXT (min. dB)	PS-NEXT (min. dB)	ACRF (min. dB)	PSACRF (min. dB)	TCL (min. dB)	Prop. Delay (max. ns)
1*	20.0	75.0	72.3	68.0	65.0	40	570
4*	23.0	66.3	63.3	56.0	53.0	40	552
8	24.5	61.8	58.8	49.9	46.9	40	547
10	25.0	60.3	57.3	48.0	45.0	40	545
16	25.0	57.2	54.2	43.9	40.9	38	543
20	25.0	55.8	52.8	42.0	39.0	37	542
25	24.2	54.3	51.3	40.0	37.0	36	541
31.25	23.3	52.9	49.9	38.1	35.1	35	540
62.5	20.7	48.4	45.4	32.1	29.1	32	539
100	19.0	45.3	42.3	28.0	25.0	30	538
200	16.4	40.8	37.8	22.0	19.0	27	537
250	15.6	39.3	36.3	20.0	17.0	26	536
300	14.9	38.1	35.1	18.5	15.5	25.2	536
400	13.8	36.3	33.3	16.0	13.0	24	536
500	13.0	34.8	31.8	14.0	11.0	23	536

(1) All performance based on 50 meters at 20°C. (2) The asterisked (*) frequency performance value are assumed to be met by design.

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