

Cat8 SFTP Patch Cord, 24AWG

Technical Data Sheet

PRODUCT DESCRIPTION

• Cable Specifications:

CAT8 S/FTP 4*1P[24AWG(7/0.20mm±0.008mm BC)+AL/Mylar]+B (16*8/0.12mm)AL-MG CM PVC OD: 7.9±0.20mm

• Standard Reference:

- ISO/IEC 11801:2017
- ANSI/TIA-568.2-D

• Physical characteristic

- Rated temperature: 75°C
- Installation temperature: -20~60°C
- Operating temperature: -20~75°C
- Min bending radius:15xOD in Operation:10xOD after operation
- Safety Characteristics:RoHS-2 2011/65/EU

• Application

- Support 2000MHz bandwidth
- Support 10G Ethernet
- Applied to data centers, servers, switches, wiring racks and other equipment connections

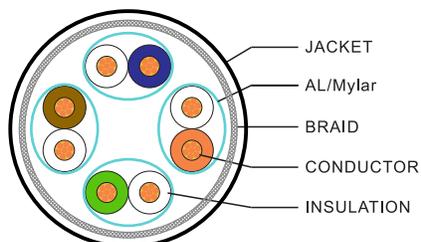
CABLE CONSTRUCTION

Conductor	Material	Stranded Bare Copper	
	Nom.O.D (mm)	7/0.20±0.008mm 24AWGx4P	
Insulation		FMPE	HDPE
	Average Thickness(mm)	0.42	/
Insulation Dia.(±0.05mm)		1.40	/
AL/Mylar		COVERAGE 100%	OVERLAP25%min
	Material	AL-MG	
Braid	Size (±0.008mm)	16*8/0.12	
	Coverage	65%	
Jacket LSZH	Average Thickness (mm)	0.6	
	Outer Dia.(±0.20mm)	7.9	
Code Color		1 Blue*White	2 Orange*White
		3 Green*White	4 Brown*White
Marking	25/40GBase-T CAT 8 - 2000MHz S/FTP PIMF PATCH CABLE CM PVC		

CHARACTERISTICS

Conductor Resistance@20°C	≤112.5Ω/km
Resistance Unbalance@20°C	≤5%

Cable Cross-Section Structure



TECHNICAL PERFORMANCE

Fluke TIA Cat8 Channel Test				
Frequency (MHZ)	Insertion Loss	RL Min (dB)	NEXT Min (dB)	
1	3.0	19.0	65.0	
4	3.0	19.0	63.8	
8	3.0	19.0	58.9	
10	3.0	19.0	57.3	
16	3.0	18.0	53.9	
20	3.0	17.5	52.3	
25	3.2	17.0	50.7	
31.25	3.6	16.5	49.1	
62.25	5.1	16.0	44.0	
100	6.5	16.0	40.5	
200	9.3	14.3	35.3	
250	10.4	13.4	33.6	
300	11.5	12.7	32.3	
400	13.3	11.6	30.1	
500	15.0	10.7	27.9	
600	16.5	10.0	25.7	
1000	22.0	8.0	19.3	
1500	27.7	8.0	13.9	
2000	32.7	8.0	9.8	
Frequency (MHZ)	PS NEXT Min(dB)	ELFEXT Min(dB)	PSELFEXT Min(dB)	Impedance (Ohms)
1	62.0	65.0	62.0	
4	60.5	59.9	56.9	
8	55.6	53.9	50.9	
10	54.0	52.0	49.0	
16	50.6	47.9	44.9	
20	49.0	45.9	42.9	
25	47.3	44.0	41.0	
31.25	45.7	42.1	39.1	
62.25	40.6	36.0	33.0	100±15
100	37.1	32.0	29.0	
200	31.9	25.9	22.9	
250	30.2	24.0	21.0	
300	28.8	22.4	19.4	
400	26.6	19.9	16.9	
500	24.8	18.0	15.0	
600	22.7	16.4	13.4	
1000	16.5	12.0	9.0	
1500	11.2	8.4	5.4	
2000	7.3	5.9	2.9	