

CAT.6A S/FTP 26AWG PUR Ethernet Cable

LVN6305SOUT

PRODUCT DESCRIPTION

• Cable Specifications:

CAT6A S/FTP 4 X 1P[26AWG(7/0.16mm±0.008mm BC)+AL/Mylar]+B
(16*5/0.12mm)AL-MG PUR OD: 6.0±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: -40~80°C
- Min bending radius:15xOD in Operation:10xOD after operation
- Safety Characteristics:RoHS-2 2011/65/EU

• Application

- Support 500MHz bandwidth
- Support 10G Ethernet
- Applied to data centers, servers, switches, wiring racks and other equipment connections

CABLE CONSTRUCTION

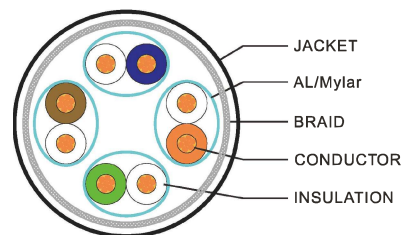
Conductor	Material	Stranded Bare Copper	
	Nom.O.D (mm)	7/0.16±0.008mm 26AWGx4P	
Insulation		FMPE	HDPE
Average Thickness(mm)		0.42	/
Insulation Dia.(±0.05mm)		1.04	/
AL/Mylar		COVERAGE 100%	OVERLAP25%min
Braid	Material	AL-MG	
	Size (±0.008mm)	16*5/0.12	
	Coverage	65%	
Jacket PUR	Average Thickness (mm)		0.6
	Outer Dia.(±0.20mm)		6.0
Code Color	1 Blue*White		2 Orange*White
	3 Green*White		4 Brown*White
Marking	CATEGORY 6A S/FTP PATCH CABLE 26AWG 4 PAIRS PUR ISO/IEC 11801 & ANSI/TIA-568.2-D Length Mark(001M, 002M, 003M..... 305M)		
Packaging length	305M/R		
Packaging method	Wooden shaft packing		

CHARACTERISTICS

Conductor Resistance@20°C	≤95Ω/km
Resistance Unbalance@20°C	≤5%



Cable Cross-Section Structure



TECHNICAL PERFORMANCE

TIA Cat 6A Channel Test

Frequency (MHZ)	Insertion Loss	RL Min (dB)	NEXT Min (dB)
1	3.0	19.0	65.0
4	4.2	19.0	63.0
8	5.8	19.0	58.2
10	6.5	19.0	56.6
16	8.2	18.0	53.2
20	9.2	17.5	51.6
25	10.2	17.0	50.0
31.25	11.5	16.5	48.4
62.25	16.4	14.0	43.4
100	20.9	12.0	39.9
200	30.1	9.0	34.8
250	33.9	8.0	33.1
350	40.6	6.6	30.3
450	46.5	6.0	27.3
500	49.3	6.0	26.1

Frequency (MHZ)	PS NEXT Min(dB)	ELFEXT Min(dB)	PSELFEXT Min(dB)	Impedance (Ohms)
1	62.0	63.3	60.3	100±15
4	60.5	51.2	48.2	
8	55.6	45.2	42.2	
10	54.0	43.3	40.3	
16	50.6	39.2	36.2	
20	49.0	37.2	34.2	
25	47.3	35.3	32.3	
31.25	45.7	33.4	30.4	
62.25	40.6	27.3	24.3	
100	37.1	23.3	20.3	
200	31.9	17.2	14.2	
250	30.2	15.3	12.3	
350	27.3	12.4	9.4	
450	24.4	10.2	7.2	
500	23.2	9.3	6.3	

