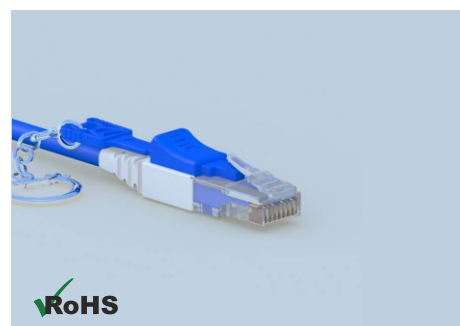


CAT 6A S/FTP KEY LOCK PATCH CORD

Norden augmented S/FTP patch cord delivers optimal transmission & networking performance with reduced Insertion loss and Alien crosstalk. Additionally, it's having key lock protection to avoid the link connectivity and it is highly recommended for datacentre solution.

This is fully backward compatible to Category 6 (Class E) and Category 5e (Class D) products and maximizes productivity levels 10 times the data throughput of Category 6. Each patch cord is tested with Fluke tester and individual cover include with the report.

This Patch cord is tested for transmission frequencies up to 500 MHz and compatible with the 10 Gigabits applications including the following protocols: Gigabit 1000 BASE-T; 100 BASE-T; 10 BASE-T (IEEE 802.3) 4/16 Mbps Token Ring (IEEE 802.5); 100 VG-Any LAN 100 Mbps TP-PMD (ANSI X3T9.5);55/155 Mbps ATM Voice.



COMPLIANCE

IEEE 802.af and IEEE 802.3at for PoE applications
 IEEE 802.3an-2006, and ISO 11801 Class EA channel standards
 IEC 60603-7, ISO/IEC-11801, ANSI/TIA-968-A,ANSI/TIA-568-C.2
 Category 6A

DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Annealed Copper
Wire Insulation	SFS PE
Number Of Insulated Conductors	8
Colour Code Of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Individual Pair Shield	Polyester-Aluminium Foil
Overall Shield	Tinned Copper Braid
Outer Jacket	LSZH Low Smoke Zero Halogen
Jacket and Boot Colour	Per requirement
Standard Surface Marking	Includes Norden P/N, Cable Description
Cable O.Diameter	6.2 ± 0.3 mm
Minimum Bend Radius:	8D
Storage Temperature	-20 °C to +80 °C
Operating Temperature Range	-20 °C to +75 °C
Flame Test	IEC 60332-1
Halogen Content In LSZH Cables	Null
Wire Scheme	T568B

ELECTRICAL DATA

Impedance @ 1-250 MHz	100 ±15 Ω
Impedance @ 250-500 MHz	100 ±18 Ω
Conductor Resistance	Max. 148 Ω/km
Contact Resistance	20 MΩ max.
Resistance Unbalance	≤4 % max.
Voltage Rating	72 V dc
Dielectric Strength	1 KV/min. rms
Ampacity	1.0 Amps max.
Insulation Resistance	150 MΩ/Km
Pair To Ground Capacitance Unbalance	3.3 nF/Km nom.

CAT 6A S/FTP KEY LOCK PATCH CORD

MECHANICAL & TRANSMISSION DATA

Cable to plug tensile strength	96 N min
Pulling force	10 N Max
Durability	1000 Mating Cycles
Propagation Delay 1-250 MHz	< 25 ns/100m

TRANSMISSION PERFORMANCE DATA

Freq. (MHz)	NEXT(dB) min.				RL(dB) min.
	1m cord	2m cord	5m cord	10m cord	
1	65.0	65.0	65.0	65.0	19.5
4	65.0	65.0	65.0	65.0	22.0
10	65.0	64.9	64.4	62.9	23.0
20	61.0	60.8	59.2	58.6	23.5
30	56.9	56.3	54.9	53.6	22.8
60	51.0	50.4	49.2	48.1	20.0
100	47.0	46.4	45.4	44.5	18.0
200	41.1	40.7	39.9	39.3	15.0
250	39.3	38.9	38.1	37.7	14.0
300	36.4	36.2	35.9	35.8	12.8
400	31.8	31.9	32.1	32.5	10.9
500	28.1	28.3	29.3	29.6	9.5

ORDERING INFORMATION

Part Number	Description	Length
127-A2501X	Category 6a S/FTP Patch Cord LSZH 01m Lockable	1m
127-A2503X	Category 6a S/FTP Patch Cord LSZH 03m Lockable	3m

X: BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)