

CATEGORY 6A S/FTP PATCH CORD E-SERIES

Norden augmented S/FTP patch cord delivers optimal transmission & networking performance with reduced Insertion loss and Alien crosstalk. 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
Individual Pair Shield	Polyester-Aluminium Foil
Overall Shield	Tinned Copper Braid
Outer Jacket and Boots	LSZH/PVC
Cable O.Diameter	6.0 ± 0.2 mm
Bend Radius	> 25 mm without load
Storage Temperature	-20°C to +80°C
Temperature Operating Range	-20°C to +75°C
Flame Test	IEC 60332-1 (LSZH)

ELECTRICAL DATA

Impedance @ 1-250 MHz	100 ±15 Ω
Impedance @ 250-500 MHz	100 ±18 Ω
Conductor Resistance	< 73 Ω/km
Contact Resistance	20 MΩ max.
Resistance Unbalance	2 % max.
Voltage Rating	72 V DC
Dielectric Strength	1 KV/min. rms
Ampacity	1.0 Amps max.
Insulation Resistance	150 MΩ/Km
Transfer Impedance	N/A
Pair To Ground Capacitance Unbalance	3.3 nF/Km nom.

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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-K1501X	Category 6A S/FTP Patch Cord E-Series PVC 01m	1m
127-K1502X	Category 6A S/FTP Patch Cord E-Series PVC 02m	2m
127-K1503X	Category 6A S/FTP Patch Cord E-Series PVC 03m	3m
127-K1505X	Category 6A S/FTP Patch Cord E-Series PVC 05m	5m
127-K1510X	Category 6A S/FTP Patch Cord E-Series PVC 10m	10m
127-K1515X	Category 6A S/FTP Patch Cord E-Series PVC 15m	15m
127-K1520X	Category 6A S/FTP Patch Cord E-Series PVC 20m	20m
127-K1525X	Category 6A S/FTP Patch Cord E-Series PVC 25m	25m
127-K2501X	Category 6A S/FTP Patch Cord E-Series LSZH 01m	1m
127-K2502X	Category 6A S/FTP Patch Cord E-Series LSZH 02m	2m
127-K2503X	Category 6A S/FTP Patch Cord E-Series LSZH 03m	3m
127-K2505X	Category 6A S/FTP Patch Cord E-Series LSZH 05m	5m
127-K2510X	Category 6A S/FTP Patch Cord E-Series LSZH 10m	10m
127-K2515X	Category 6A S/FTP Patch Cord E-Series LSZH 15m	15m
127-K2520X	Category 6A S/FTP Patch Cord E-Series LSZH 20m	20m
127-K2525X	Category 6A S/FTP Patch Cord E-Series LSZH 25m	25m

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

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PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
127-K1501X	125 x 1	Carton Box	7.5	8.5	460 x 290 x 275
127-K1502X	60 x 1	Carton Box	8.0	9.0	460 x 290 x 275
127-K1503X	40 x 1	Carton Box	9.4	10.4	460 x 290 x 275
127-K1505X	25 x 1	Carton Box	9.6	10.6	520 x 420 x 290
127-K1510X	15 x 1	Carton Box	11.0	12.0	520 x 420 x 290
127-K1515X	15 x 1	Carton Box	12.7	13.7	520 x 420 x 290
127-K1520X	10 x 1	Carton Box	13.9	14.9	520 x 420 x 290
127-K1525X	10 x 1	Carton Box	14.7	15.7	520 x 420 x 290
127-K2501X	125 x 1	Carton Box	7.5	8.5	460 x 290 x 275
127-K2502X	60 x 1	Carton Box	8.0	9.0	460 x 290 x 275
127-K2503X	40 x 1	Carton Box	9.4	10.4	460 x 290 x 275
127-K2505X	25 x 1	Carton Box	9.6	10.6	520 x 420 x 290
127-K2510X	15 x 1	Carton Box	11.0	12.0	520 x 420 x 290
127-K2515X	15 x 1	Carton Box	12.7	13.7	520 x 420 x 290
127-K2520X	10 x 1	Carton Box	13.9	14.9	520 x 420 x 290
127-K2525X	10 x 1	Carton Box	14.7	15.7	520 x 420 x 290