

CATEGORY 6 S/FTP PATCH CORD

Norden Category 6 S/FTP patch cords are manufactured using high quality shielded four pair Category 6 stranded cable, and feature cable strain relief boots with a plug latch protection cap. This patch cord when used with high performance Norden Category 6 connectivity (Solid shielded cable, patch panels and work area outlets), provide superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support. This is fully backward compatible to Category 5e (Class D) products. Each patch cord is tested with Fluke tester and individual cover include with the report. Norden Category 6 Patch cord is tested for transmission frequencies of up to 250 Mhz.



COMPLIANCE

IEEE 802.af and IEEE 802.3at for PoE applications
 ANSI/TIA-568.2-D and ISO/IEC-11801 (2nd Edition),
 IEC 61156-2, EN 50173; EN 50288-6-2 Category 6 standard

DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Annealed Copper
Wire Insulation	SFS PE
Number Of Insulated Conductors	8
Wire Gauge	26 AWG
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
Braid Shield Coverage	40%
Drain Wire	No
Outer Jacket and Boots	LSZH Low Smoke Zero Halogen or PVC
Jacket and Boot Colour	Per Requirement
Standard Surface Marking	Includes Norden P/N, cable description
Cable O.D.	5.7 ± 0.2 mm
Bend Radius	> 23 mm Without load
Storage Temperature	-20 °C to +80 °C
Temperature Operating Range	-20 °C to +75 °C
Flame Test	IEC 60332-1
Halogen Content In LSZH Cables	Null
Wire Scheme	T568B

ELECTRICAL DATA

Impedance @ 1-100MHz	100 ±15 Ω
Impedance @ 100-250MHz	100 ±15 Ω
Conductor Resistance	< 73 Ω/km
Contact Resistance	20 MΩ max.
Resistance Unbalance	2 % max.
Voltage Rating	72 Vdc
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 1-250MHz	< 25 ns/100m

ELECTRICAL PERFORMANCE DATA

Freq. (MHz)	NEXT(dB) min.			RL(dB) min.
	2m cord	5m cord	10m cord	
1	68.0	68.0	68.0	20.0
4	65.0	65.0	65.0	21.8
10	64.8	64.2	62.8	22.5
20	60.9	58.6	57.2	23.4
30	56.2	54.9	53.6	23.0
60	50.4	49.2	48.1	20.0
100	46.4	45.3	44.4	18.0
125	44.5	43.5	42.7	17.0
150	43.2	42.2	41.1	16.2
200	40.8	39.6	39.1	15.0
250	38.8	37.9	37.6	13.8

ORDERING INFORMATION

Part Number	Description	Length
127-31501X	Category 6 S/FTP Patch Cord PVC 01m	1m
127-31502X	Category 6 S/FTP Patch Cord PVC 02m	2m
127-31503X	Category 6 S/FTP Patch Cord PVC 03m	3m
127-31505X	Category 6 S/FTP Patch Cord PVC 05m	5m
127-31510X	Category 6 S/FTP Patch Cord PVC 10m	10m
127-31515X	Category 6 S/FTP Patch Cord PVC 15m	15m
127-31520X	Category 6 S/FTP Patch Cord PVC 20m	20m
127-31525X	Category 6 S/FTP Patch Cord PVC 25m	25m
127-325H5X	Category 6 S/FTP Patch Cord LSZH 0.5m	0.5m
127-32501X	Category 6 S/FTP Patch Cord LSZH 01m	1m
127-325F5X	Category 6 S/FTP Patch Cord LSZH 1.5m	1.5m
127-32502X	Category 6 S/FTP Patch Cord LSZH 02m	2m
127-32503X	Category 6 S/FTP Patch Cord LSZH 03m	3m
127-32505X	Category 6 S/FTP Patch Cord LSZH 05m	5m
127-32510X	Category 6 S/FTP Patch Cord LSZH 10m	10m
127-32515X	Category 6 S/FTP Patch Cord LSZH 15m	15m
127-32520X	Category 6 S/FTP Patch Cord LSZH 20m	20m
127-32525X	Category 6 S/FTP Patch Cord 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)
127-31501X	125 x 1	Carton Box	8.5	9.5	520 x 420 x 290
127-31502X	80 x 1	Carton Box	9.5	10.5	520 x 420 x 290
127-31503X	60 x 1	Carton Box	10.8	11.8	520 x 420 x 290
127-31505X	35 x 1	Carton Box	11.6	12.6	520 x 420 x 290
127-31510X	15 x 1	Carton Box	12.8	13.8	520 x 420 x 290
127-31515X	10 x 1	Carton Box	13.1	14.1	520 x 420 x 290
127-31520X	10 x 1	Carton Box	7.5	85.5	520 x 420 x 290
127-31525X	10 x 1	Carton Box	9.5	10.5	520 x 420 x 290
127-325H5X	125 x 1	Carton Box	8.0	9.0	520 x 420 x 290
127-32501X	125 x 1	Carton Box	8.5	9.5	520 x 420 x 290
127-325F5X	125 x 1	Carton Box	9.0	10.0	520 x 420 x 290
127-32502X	80 x 1	Carton Box	9.5	10.5	520 x 420 x 290
127-32503X	60 x 1	Carton Box	10.8	11.8	520 x 420 x 290
127-32505X	35 x 1	Carton Box	11.6	12.6	520 x 420 x 290
127-32510X	15 x 1	Carton Box	12.8	13.8	520 x 420 x 290
127-32515X	10 x 1	Carton Box	13.1	14.1	520 x 420 x 290
127-32520X	10 x 1	Carton Box	7.5	85.5	520 x 420 x 290
127-32525X	10 x 1	Carton Box	9.5	10.5	520 x 420 x 290