

# CATEGORY 6 S/FTP PATCH CORD E-SERIES

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-C.2 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
Individual Pair Shield	Polyester-Aluminium foil
Overall Shield	Tinned Copper, Braid
Outer Jacket and Boots	LSZH/PVC
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 (LSZH)

## 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-M1501X	Category 6 S/FTP Patch Cord E-Series PVC 01m	1m
127-M1502X	Category 6 S/FTP Patch Cord E-Series PVC 02m	2m
127-M1503X	Category 6 S/FTP Patch Cord E-Series PVC 03m	3m
127-M1505X	Category 6 S/FTP Patch Cord E-Series PVC 05m	5m
127-M1510X	Category 6 S/FTP Patch Cord E-Series PVC 10m	10m
127-M1515X	Category 6 S/FTP Patch Cord E-Series PVC 15m	15m
127-M1520X	Category 6 S/FTP Patch Cord E-Series PVC 20m	20m
127-M1525X	Category 6 S/FTP Patch Cord E-Series PVC 25m	25m
127-M2501X	Category 6 S/FTP Patch Cord E-Series LSZH 01m	1m
127-M2502X	Category 6 S/FTP Patch Cord E-Series LSZH 02m	2m
127-M2503X	Category 6 S/FTP Patch Cord E-Series LSZH 03m	3m
127-M2505X	Category 6 S/FTP Patch Cord E-Series LSZH 05m	5m
127-M2510X	Category 6 S/FTP Patch Cord E-Series LSZH 10m	10m
127-M2515X	Category 6 S/FTP Patch Cord E-Series LSZH 15m	15m
127-M2520X	Category 6 S/FTP Patch Cord E-Series LSZH 20m	20m
127-M2525X	Category 6 S/FTP Patch Cord E-Series LSZH 25m	25m

# CATEGORY 6 S/FTP PATCH CORD E-SERIES

## PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
127-M1501X	125 x 1	Carton Box	8.5	9.5	520 x 420 x 290
127-M1502X	80 x 1	Carton Box	9.5	10.5	520 x 420 x 290
127-M1503X	60 x 1	Carton Box	10.8	11.8	520 x 420 x 290
127-M1505X	35 x 1	Carton Box	11.6	12.6	520 x 420 x 290
127-M1510X	15 x 1	Carton Box	12.8	13.8	520 x 420 x 290
127-M1515X	10 x 1	Carton Box	13.1	14.1	520 x 420 x 290
127-M1520X	10 x 1	Carton Box	7.5	85.5	520 x 420 x 290
127-M1525X	10 x 1	Carton Box	9.5	10.5	520 x 420 x 290
127-M2501X	125 x 1	Carton Box	8.5	9.5	520 x 420 x 290
127-M2502X	80 x 1	Carton Box	9.5	10.5	520 x 420 x 290
127-M2503X	60 x 1	Carton Box	10.8	11.8	520 x 420 x 290
127-M2505X	35 x 1	Carton Box	11.6	12.6	520 x 420 x 290
127-M2510X	15 x 1	Carton Box	12.8	13.8	520 x 420 x 290
127-M2515X	10 x 1	Carton Box	13.1	14.1	520 x 420 x 290
127-M2520X	10 x 1	Carton Box	7.5	85.5	520 x 420 x 290
127-M2525X	10 x 1	Carton Box	9.5	10.5	520 x 420 x 290