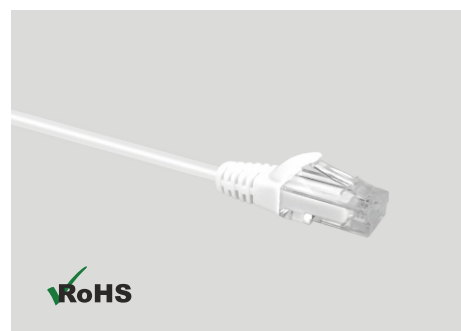


# CATEGORY 6 S/FTP SLIM PATCH CORD

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. The overall tinned copper wire shield provides excellent EMI protection increasing the overall performance. This patch cord, when used with high performance Norden Category 6 connectivity (Solid shielded cable, patch panels and work area outlets), provides superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support. This is fully backward compatible with Category 5e (Class D) products. Each patch cord is tested with Fluke tester and individual cover included 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 50575  
 EN 50288-6-2 Category 6 standard

## DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Copper
Conductor Size	28 AWG , 7/0.12
Insulation Material	PE
Number Of Insulated Conductors	8
Colour Code Of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Insulation Thickness	0.23 mm
Insulation Diameter	0.83 ± 0.08 mm
Individual Pair Shield	Aluminium/ Polyester Foil , ≥ 25%
Overall Braid Shield	Tinned Copper Wire Braid
Braid Shield Coverage	≥ 40%
Drain Wire	Tinned Copper ( 1/0.40 )
Modular Plug Housing Material	80 μ" Nickel Plated Brass, 94V-0
Modular Plug Contact Material	50 μ" Brass
Boot Material	PVC
Outer Jacket Material	LSZH / PVC
Jacket Thickness	0.50 mm
Jacket and Boot Colour	Per requirement
Standard Surface Marking	Includes Norden P/N, cable description
Cable O.D.	5.3 ± 0.30 mm
Minimum Bend Radius	8 x D
Installation Temperature	-20 °C to +75 °C
Wire Scheme	T568B



# CATEGORY 6 S/FTP SLIM PATCH CORD

## ELECTRICAL DATA

Impedance @ 100MHz	100 ± 22Ω
Max. Conductor DC Resistance	237 Ω/km
Min. Insulation Resistance	5000 MΩ-KM
Resistance Unbalance between pairs	≤ 4%
Max Mutual Capacitance	5.6 nF/100m
Pair To Ground Capacitance Unbalance	≤ 330 Pf/100m
Delay Skew (1 – 250 MHz )	≤ 45 ns/100m
Voltage Rating	48 V
Dielectric Strength	DC-1KV/1 Min
Velocity of Propagation ( NVP )	69%

## MECHANICAL & TRANSMISSION DATA

Before Aging Tensile Strength	≥ 9 Mpa
Before Aging Elongation	≥ 100 %
After Aging Tensile Strength (100°C*24h*7d )	≥ 75%
After Aging Elongation	≥ 50 %
Max. Pulling Force	110 N

## TRANSMISSION PERFORMANCE DATA

Freq. (MHz)	NEXT(dB) min.			RL(dB) min.
	2m cord	5m cord	10m cord	
1	65.0	65.0	65.0	21.0
4	65.0	65.0	65.0	21.6
8	65.0	65.0	64.1	22.5
10	65.0	63.9	62.3	22.8
16	61.6	60.0	58.5	23.4
20	59.7	58.2	56.7	23.7
25	57.8	56.3	54.9	24.0
31.25	56.0	54.5	53.1	23.1
62.5	50.1	48.8	47.7	20.0
100	46.2	45.0	44.2	18.0
200	40.5	39.6	39.1	15.0
250	38.6	37.9	37.6	14.0



# CATEGORY 6 S/FTP SLIM PATCH CORD

## ORDERING INFORMATION

Part Number	Description	Length
127-Z1501X	Category 6 S/FTP Slim Patch Cord PVC 01m	1m
127-Z1502X	Category 6 S/FTP Slim Patch Cord PVC 02m	2m
127-Z1503X	Category 6 S/FTP Slim Patch Cord PVC 03m	3m
127-Z1505X	Category 6 S/FTP Slim Patch Cord PVC 05m	5m
127-Z1510X	Category 6 S/FTP Slim Patch Cord PVC 10m	10m
127-Z1515X	Category 6 S/FTP Slim Patch Cord PVC 15m	15m
127-Z1520X	Category 6 S/FTP Slim Patch Cord PVC 20m	20m
127-Z1525X	Category 6 S/FTP Slim Patch Cord PVC 25m	25m
127-Z1530X	Category 6 S/FTP Slim Patch Cord PVC 30m	30m
127-Z2501X	Category 6 S/FTP Slim Patch Cord LSZH 01m	1m
127-Z2502X	Category 6 S/FTP Slim Patch Cord LSZH 02m	2m
127-Z2503X	Category 6 S/FTP Slim Patch Cord LSZH 03m	3m
127-Z2505X	Category 6 S/FTP Slim Patch Cord LSZH 05m	5m
127-Z2510X	Category 6 S/FTP Slim Patch Cord LSZH 10m	10m
127-Z2515X	Category 6 S/FTP Slim Patch Cord LSZH 15m	15m
127-Z2520X	Category 6 S/FTP Slim Patch Cord LSZH 20m	20m
127-Z2525X	Category 6 S/FTP Slim Patch Cord LSZH 25m	25m
127-Z2530X	Category 6 S/FTP Slim Patch Cord LSZH 30m	30m

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