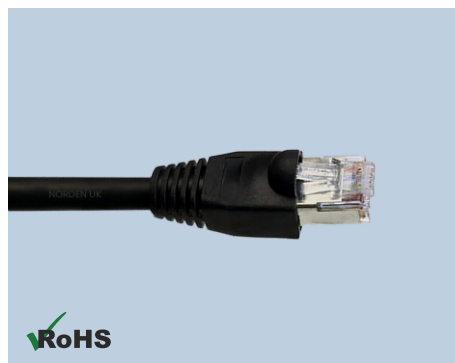


# CAT 6 S/FTP EXTERNAL PATCH CORD WITH WATERPROOF SHIELD-PE

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
Insulation Diameter	1.02 ±0.05mm
Insulation Thickness	0.26 mm
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
Drain Wire	No
Outer Jacket	PE
Jacket Colour	Black
Standard Surface Marking	Includes Norden P/N, cable description
Cable O.D.	6.2 ± 0.2 mm
Nom. Jacket Thickness	0.55 mm
Bend Radius	> 23 mm Without load
Storage Temperature	-20 °C to +80 °C
Temperature Operating Range	-20 °C to +75 °C
Wire Scheme	T568B

## ELECTRICAL DATA

Max. Conductor DC Resistance	148 Ω/km
Min. Insulation Resistance	5000 MΩ-km
Dielectric Strength	DC-1KV/1 Min
Characteristic Impedance (1.0-250MHZ)	100 ±15 Ω
Delay Skew (1.0-250MHZ )	≤45 ns/100m
Pair to Ground Capacitance Unbalance	≤330 pF/100m
Resistance Unbalance between pairs	≤4 %
Max Mutual Capacitance	5.6 nF/100m
Velocity of Propagation NVP	78%

# CAT 6 S/FTP EXTERNAL PATCH CORD WITH WATERPROOF SHIELD-PE

## 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-F3101X	Cat 6 External Patch cord with waterproof shield PE	1m
127-F3102X	Cat 6 External Patch cord with waterproof shield PE	2m
127-F3103X	Cat 6 External Patch cord with waterproof shield PE	3m
127-F3105X	Cat 6 External Patch cord with waterproof shield PE	5m

X: BK(Black)

## PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
127-F3101X	150 x 1	Carton Box	8.8	9.8	520 x 420 x 290
127-F3102X	120 x	Carton Box	9.5	12.6	520 x 420 x 290
127-F3103X	80 x 1	Carton Box	11.0	12.0	520 x 420 x 290
127-F3105X	60 x 1	Carton Box	12.3	13.3	520 x 420 x 290