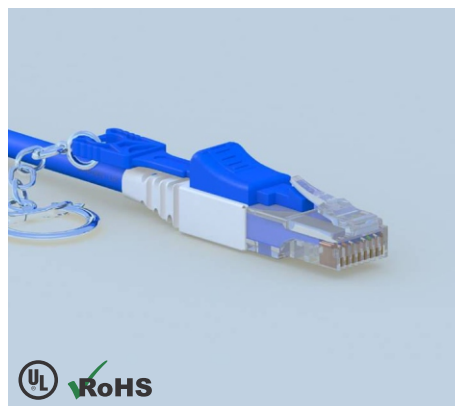


# CATEGORY 6 U/UTP KEY-LOCK PATCH CORD

Norden Category 6 UTP patch cords are manufactured using high quality unshielded four pair Category 6 stranded cable, and feature cable strain relief boots with a plug key protection cap. Additionally it's having key lock protection to avoid the link connectivity and it is highly recommended for datacenter solution. This patch cord when used with high performance Norden Category 6 connectivity (solid UTP cable, patch panels and work area outlets), provide superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx)

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
Colour Code Of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Individual Pair Shield	Nil
Overall Shield	Nil
Drain Wire	None
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
Protection Lock	Key Type

## 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 V dc
Insulation Resistance	150 MΩ/Km
Transfer Impedance	N/A
Pair to Ground Capacitance Unbalance	3.3 nF/Km nom.

# CATEGORY 6 U/UTP KEY-LOCK PATCH CORD

## 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
127-91101X	Category 6 U/UTP Key Lock Patch Cord PVC 01m	1m
127-91102X	Category 6 U/UTP Key Lock Patch Cord PVC 02m	2m
127-91103X	Category 6 U/UTP Key Lock Patch Cord PVC 03m	3m
127-91105X	Category 6 U/UTP Key Lock Patch Cord PVC 05m	5m
127-91110X	Category 6 U/UTP Key Lock Patch Cord PVC 10m	10m
127-91115X	Category 6 U/UTP Key Lock Patch Cord PVC 15m	15m
127-91120X	Category 6 U/UTP Key Lock Patch Cord PVC 20m	20m
127-91125X	Category 6 U/UTP Key Lock Patch Cord PVC 25m	25m
127-92101X	Category 6 U/UTP Key Lock Patch Cord LSZH 01m	1m
127-92102X	Category 6 U/UTP Key Lock Patch Cord LSZH 02m	2m
127-92103X	Category 6 U/UTP Key Lock Patch Cord LSZH 03m	3m
127-92105X	Category 6 U/UTP Key Lock Patch Cord LSZH 05m	5m
127-92110X	Category 6 U/UTP Key Lock Patch Cord LSZH 10m	10m
127-92115X	Category 6 U/UTP Key Lock Patch Cord LSZH 15m	15m
127-92120X	Category 6 U/UTP Key Lock Patch Cord LSZH 20m	20m
127-92125X	Category 6 U/UTP Key Lock Patch Cord LSZH 25m	25m

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

