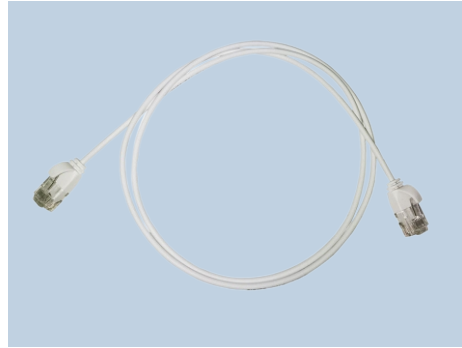


# CATEGORY 6 U/UTP SLIM PATCH CORD

Norden Category 6 UTP slim patch cords for easy installation and maintenance are manufactured using high quality unshielded 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 UTP 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 Copper
Conductor Size	32 AWG, 7/0.08±0.008mm
Wire Insulation	HDPE
Insulation Dia.	0.45±0.05mm
Number Of Insulated Conductors	8
Colour Code Of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Outer Jacket And Boots	PVC/LSZH
Jacket And Boot Colour	Per requirement
Jacket Thickness	0.35mm
Cable O.D.	2.5±0.15mm
Storage Temperature	-20 °C to +80 °C
Temperature Operating Range	-20 °C to +75 °C
Wire Scheme	T568B

## ELECTRICAL DATA

Impedance @ 1-100 MHz	100 ±15 Ω
Impedance @ 100-250 MHz	100 ±15 Ω
Conductor Resistance	< 530 Ω/km
Contact Resistance	20 MΩ max.
Resistance Unbalance	2 % max.
Voltage Rating	72 V dc
Dielectric Strength	1 KV/min. rms
Ampacity	1.0 Amps max.
Pair to Ground Capacitance Unbalance	3.3 nF/Km nom.

## MECHANICAL & TRANSMISSION DATA

Cable To Plug Tensile Strength	55N min.
Pulling Force	10 N max.
Durability	1000 Mating Cycles
Propagation Delay 1-250MHz	< 25 ns/100m

# CATEGORY 6 U/UTP SLIM PATCH CORD

## TRANSMISSION 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-R1101X	Category 6 U/UTP Slim Patch Cord PVC 01m	1m
127-R1102X	Category 6 U/UTP Slim Patch Cord PVC 02m	2m
127-R1103X	Category 6 U/UTP Slim Patch Cord PVC 03m	3m
127-R1105X	Category 6 U/UTP Slim Patch Cord PVC 05m	5m
127-R1110X	Category 6 U/UTP Slim Patch Cord PVC 10m	10m
127-R1115X	Category 6 U/UTP Slim Patch Cord PVC 15m	15m
127-R1120X	Category 6 U/UTP Slim Patch Cord PVC 20m	20m
127-R1125X	Category 6 U/UTP Slim Patch Cord PVC 25m	25m
127-R2101X	Category 6 U/UTP Slim Patch Cord LSZH 01m	1m
127-R2102X	Category 6 U/UTP Slim Patch Cord LSZH 02m	2m
127-R2103X	Category 6 U/UTP Slim Patch Cord LSZH 03m	3m
127-R2105X	Category 6 U/UTP Slim Patch Cord LSZH 05m	5m

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

## PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
127-R1101X	150 x 1	Carton Box	4.8	5.8	520 x 420 x 290
127-R1102X	120 x 1	Carton Box	7.5	8.5	520 x 420 x 290
127-R1103X	100 x 1	Carton Box	9.3	10.3	520 x 420 x 290
127-R1105X	60 x 1	Carton Box	9.3	10.3	520 x 420 x 290
127-R1110X	35 x 1	Carton Box	11.3	12.3	520 x 420 x 290
127-R1115X	25 x 1	Carton Box	11.3	12.3	520 x 420 x 290
127-R1120X	20 x 1	Carton Box	12.5	13.5	520 x 420 x 290
127-R1125X	20 x 1	Carton Box	16.1	17.1	520 x 420 x 290
127-R2101X	35 x 1	Carton Box	17.1	18.1	520 x 420 x 290
127-R2102X	25 x 1	Carton Box	18.1	19.1	520 x 420 x 290
127-R2103X	20 x 1	Carton Box	19.1	20.1	520 x 420 x 290
127-R2105X	20 x 1	Carton Box	20.1	21.1	520 x 420 x 290