

# CAT 6 U/UTP PLUG & SOCKET TYPE 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 type on one end & socket type at the other . 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-568.2-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

## ELECTRICAL DATA

Impedance @ 1-100 MHz	100 ±15 Ω
Impedance @ 100-250 MHz	100 ±15 Ω
Conductor Resistance	< 73 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.
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	96N min.
Pulling Force	10 N max.
Durability	1000 Mating Cycles
Propagation Delay 1-250MHz	< 25 ns/100m

## 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-B1105X	Cat 6 U/UTP Plug & Socket Type Patch Cord PVC 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-B1105X	60 x 1	Carton Box	12.3	13.3	520 x 420 x 290