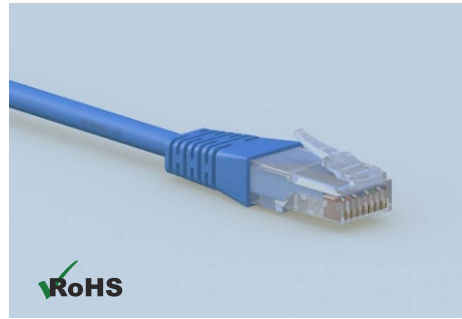


# CATEGORY 5E F/UTP PATCH CORD

Norden Category 5e patch cords are designed for Electro-magnetic Compatibility, minimizing radiation and maximizing noise immunity. A unique double termination method providing the advantage of both moulded and non-moulded terminations is implemented in this product. High return loss & NEXT loss values ensure low BER (Bit error Ratio) in all application. This Patch cord is tested for transmission frequencies of up to 100 MHz and high quality plug is designed with integrated strain relief boot.



## COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE Applications.  
ANSI/TIA-568.2-D, Category 5e.  
ISO/IEC-11801 2nd Edition Class D.  
IEC 61156-6, EN 50173-1; EN 50288-3-2

## DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Annealed Copper
Wire Insulation	HD 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	Aluminium foil
Overall Shield	Nil
Drain Wire	Yes
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.	5.3 ± 0.2 mm
Bend Radius	> 22 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 @ 1-100MHz	100 ±15 Ω
Conductor Resistance	< 94 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.

# CATEGORY 5E F/UTP PATCH CORD

## MECHANICAL & TRANSMISSION DATA

Cable To Plug Tensile Strength	55 N min.
Pulling Force	10 N max.
Durability	> 750 Mating Cycles
Propagation Delay 1-250MHz	< 45 ns/100m

## ELECTRICAL PERFORMANCE DATA

Freq. [MHz]	NEXT[dB] min.			RL[dB] min.
	2m cord	5m cord	10m cord	
1	70.0	70.0	70.0	20.0
4	64.3	63.5	62.4	21.8
8	56.4	55.6	54.7	22.0
10	54.5	53.7	52.8	22.9
16	50.4	49.8	48.9	23.3
20	48.6	47.9	47.1	23.6
30	45.8	45.2	44.6	23.0
60	40.0	39.5	39.1	19.8
100	36.1	35.8	35.6	17.9

## ORDERING INFORMATION

Part Number	Description	Length
127-21201X	Category 5e F/UTP Patch Cord PVC 01m	1m
127-21202X	Category 5e F/UTP Patch Cord PVC 02m	2m
127-21203X	Category 5e F/UTP Patch Cord PVC 03m	3m
127-21205X	Category 5e F/UTP Patch Cord PVC 05m	5m
127-21210X	Category 5e F/UTP Patch Cord PVC 10m	10m
127-21215X	Category 5e F/UTP Patch Cord PVC 15m	15m
127-21220X	Category 5e F/UTP Patch Cord PVC 20m	20m
127-21225X	Category 5e F/UTP Patch Cord PVC 25m	25m
127-22201X	Category 5e F/UTP Patch Cord LSZH 01m	1m
127-22202X	Category 5e F/UTP Patch Cord LSZH 02m	2m
127-22203X	Category 5e F/UTP Patch Cord LSZH 03m	3m
127-22205X	Category 5e F/UTP Patch Cord LSZH 05m	5m
127-22210X	Category 5e F/UTP Patch Cord LSZH 10m	10m
127-22215X	Category 5e F/UTP Patch Cord LSZH 15m	15m
127-22220X	Category 5e F/UTP Patch Cord LSZH 20m	20m
127-22225X	Category 5e F/UTP Patch Cord LSZH 25m	25m

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

## CATEGORY 5E F/UTP PATCH CORD

### PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
127-21201X	200 x 1	Carton Box	9.4	10.5	520 x 420 x 290
127-21202X	150 x 1	Carton Box	13.9	15.0	520 x 420 x 290
127-21203X	100 x 1	Carton Box	12.7	13.8	520 x 420 x 290
127-21205X	80 x 1	Carton Box	15.7	16.8	520 x 420 x 290
127-21210X	40 x 1	Carton Box	15.7	16.8	520 x 420 x 290
127-21215X	30 x 1	Carton Box	17.4	18.5	520 x 420 x 290
127-21220X	20 x 1	Carton Box	18.5	19.6	520 x 420 x 290
127-21225X	20 x 1	Carton Box	21.7	22.8	520 x 420 x 290
127-22201X	200 x 1	Carton Box	9.4	10.5	520 x 420 x 290
127-22202X	150 x 1	Carton Box	13.9	15.0	520 x 420 x 290
127-22203X	100 x 1	Carton Box	12.7	13.8	520 x 420 x 290
127-22205X	80 x 1	Carton Box	15.7	16.8	520 x 420 x 290
127-22210X	40 x 1	Carton Box	15.7	16.8	520 x 420 x 290
127-22215X	30 x 1	Carton Box	17.4	18.5	520 x 420 x 290
127-22220X	20 x 1	Carton Box	18.5	19.6	520 x 420 x 290
127-22225X	20 x 1	Carton Box	21.7	22.8	520 x 420 x 290