

# CATEGORY 5E U/UTP PATCH CORD E-SERIES

Norden Category 5e patch cords are designed for Electro-magnetic Compatibility, minimizing radiation and maximizing noise immunity. 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-C.2:2009 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
Outer Jacket And Boots	LSZH or PVC
Cable O.Diameter	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(LSZH)
Wire Scheme	T568B

## ELECTRICAL DATA

Impedance @ 1-100 Mhz	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
Pair To Ground Capacitance Unbalance	3.3 nF/Km nom.

## MECHANICAL & TRANSMISSION DATA

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

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## ELECTRICAL PERFORMANCE DATA

Freq. (MHz)	NEXT(dB) min.			RL(dB) min.
	2m cord	5m cord	10m cord	
100	36.1	35.8	35.6	17.9

## ORDERING INFORMATION

Part Number	Description	Length
127-J1101X	Category 5e U/UTP Patch Cord E-Series PVC 01m	1m
127-J1102X	Category 5e U/UTP Patch Cord E-Series PVC 02m	2m
127-J1103X	Category 5e U/UTP Patch Cord E-Series PVC 03m	3m
127-J1105X	Category 5e U/UTP Patch Cord E-Series PVC 05m	5m
127-J1108X	Category 5e U/UTP Patch Cord E-Series PVC 08m	8m
127-J1110X	Category 5e U/UTP Patch Cord E-Series PVC 10m	10m
127-J1115X	Category 5e U/UTP Patch Cord E-Series PVC 15m	15m
127-J1120X	Category 5e U/UTP Patch Cord E-Series PVC 20m	20m
127-J1125X	Category 5e U/UTP Patch Cord E-Series PVC 25m	25m
127-J2101X	Category 5e U/UTP Patch Cord E-Series LSZH 01m	1m
127-J2102X	Category 5e U/UTP Patch Cord E-Series LSZH 02m	2m
127-J2103X	Category 5e U/UTP Patch Cord E-Series LSZH 03m	3m
127-J2105X	Category 5e U/UTP Patch Cord E-Series LSZH 05m	5m
127-J2110X	Category 5e U/UTP Patch Cord E-Series LSZH 10m	10m
127-J2115X	Category 5e U/UTP Patch Cord E-Series LSZH 15m	15m
127-J2120X	Category 5e U/UTP Patch Cord E-Series LSZH 20m	20m
127-J2125X	Category 5e U/UTP Patch Cord E-Series LSZH 25m	25m

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-J1101X	200 x 1	Carton Box	8.5	9.5	520 x 420 x 290
127-J1102X	150 x 1	Carton Box	12.6	13.6	520 x 420 x 290
127-J1103X	100 x 1	Carton Box	11.5	12.5	520 x 420 x 290
127-J1105X	80 x 1	Carton Box	14.3	15.3	520 x 420 x 290
127-J1110X	40 x 1	Carton Box	14.3	15.3	520 x 420 x 290
127-J1115X	30 x 1	Carton Box	15.8	16.8	520 x 420 x 290
127-J1120X	20 x 1	Carton Box	16.8	17.8	520 x 420 x 290
127-J1125X	20 x 1	Carton Box	19.7	21.7	520 x 420 x 290
127-J2101X	200 x 1	Carton Box	8.5	9.5	520 x 420 x 290
127-J2102X	150 x 1	Carton Box	12.6	13.6	520 x 420 x 290
127-J2103X	100 x 1	Carton Box	11.5	12.5	520 x 420 x 290
127-J2105X	80 x 1	Carton Box	14.3	15.3	520 x 420 x 290
127-J2110X	40 x 1	Carton Box	14.3	15.3	520 x 420 x 290
127-J2115X	30 x 1	Carton Box	15.8	16.8	520 x 420 x 290
127-J2120X	20 x 1	Carton Box	16.8	17.8	520 x 420 x 290
127-J2125X	20 x 1	Carton Box	19.7	21.7	520 x 420 x 290