

CATEGORY 6A U/UTP PATCH CORD E-SERIES

Norden augmented Category 6 unshielded patch cord delivers optimal transmission & networking performance with reduced Insertion loss and Alien crosstalk.

This Patch cord is tested for transmission frequencies up to 500 MHz and compatible with the 10 Gigabits applications, including the following protocols: Gigabit 1000 BASE-T; 100 BASE-T; 10 BASE-T (IEEE 802.3) 4/16 Mbps Token Ring (IEEE 802.5); 100 VG-Any LAN100 Mbps TP-PMD (ANSI X3T9.5); 55/155 Mbps ATM Voice.



COMPLIANCE

IEEE 802.af and IEEE 802.3at for PoE applications
 IEEE 802.3an-2006, and ISO 11801 Class EA channel standards
 IEC 60603-7, ISO/IEC-11801, ANSI/TIA-968-A, ANSI/TIA-568-C.2
 Category 6A

DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Annealed Copper
Wire Insulation	SFS PE
Outer Jacket and Boots	LSZH or PVC
Cable O.Diameter	6.0 ± 0.2 mm
Bend Radius	> 25 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 @ 1-500 MHz	100 ±18 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
Pair to Ground Capacitance Unbalance	3.3 nF/Km nom.

MECHANICAL & TRANSMISSION DATA

Cable To Plug Tensile Strength	96 N min.
Pulling Force	10 N max.
Durability	1000 Mating Cycles
Propagation Delay 1-250 MHz	< 25 ns/100m

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TRANSMISSION PERFORMANCE DATA

Freq. (MHz)	NEXT(dB) min.				RL(dB) min.
	1m cord	2m cord	5m cord	10m cord	
500	27.8	28.2	28.5	29.4	9.2

ORDERING INFORMATION

Part Number	Description	Length
127-K1101X	Category 6a U/UTP Patch Cord E-Series PVC 01m	1m
127-K1102X	Category 6a U/UTP Patch Cord E-Series PVC 02m	2m
127-K1103X	Category 6a U/UTP Patch Cord E-Series PVC 03m	3m
127-K1105X	Category 6a U/UTP Patch Cord E-Series PVC 05m	5m
127-K1110X	Category 6a U/UTP Patch Cord E-Series PVC 10m	10m
127-K1115X	Category 6a U/UTP Patch Cord E-Series PVC 15m	15m
127-K1120X	Category 6a U/UTP Patch Cord E-Series PVC 20m	20m
127-K1125X	Category 6a U/UTP Patch Cord E-Series PVC 25m	25m
127-K2101X	Category 6a U/UTP Patch Cord E-Series LSZH 01m	1m
127-K2102X	Category 6a U/UTP Patch Cord E-Series LSZH 02m	2m
127-K2103X	Category 6a U/UTP Patch Cord E-Series LSZH 03m	3m
127-K2105X	Category 6a U/UTP Patch Cord E-Series LSZH 05m	5m
127-K2110X	Category 6a U/UTP Patch Cord E-Series LSZH 10m	10m
127-K2115X	Category 6a U/UTP Patch Cord E-Series LSZH 15m	15m
127-K2120X	Category 6a U/UTP Patch Cord E-Series LSZH 20m	20m
127-K2125X	Category 6a 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-K1101X	150 x 1	Carton Box	6.5	7.5	460 x 290 x 275
127-K1102X	80 x 1	Carton Box	7.0	8.0	460 x 290 x 275
127-K1103X	60 x 1	Carton Box	7.0	8.0	460 x 290 x 275
127-K1105X	50 x 1	Carton Box	10.2	11.2	520 x 420 x 290
127-K1110X	25 x 1	Carton Box	9.8	10.8	520 x 420 x 290
127-K1115X	20 x 1	Carton Box	11.8	12.8	520 x 420 x 290
127-K1120X	15 x 1	Carton Box	11.8	12.8	520 x 420 x 290
127-K1125X	15 x 1	Carton Box	13.6	14.6	520 x 420 x 290
127-K2101X	150 x 1	Carton Box	6.5	7.5	460 x 290 x 275
127-K2102X	80 x 1	Carton Box	7.0	8.0	460 x 290 x 275
127-K2103X	60 x 1	Carton Box	7.0	8.0	460 x 290 x 275
127-K2105X	50 x 1	Carton Box	10.2	11.2	520 x 420 x 290
127-K2110X	25 x 1	Carton Box	9.8	10.8	520 x 420 x 290
127-K2115X	20 x 1	Carton Box	11.8	12.8	520 x 420 x 290
127-K2120X	15 x 1	Carton Box	11.8	12.8	520 x 420 x 290
127-K2125X	15 x 1	Carton Box	13.6	14.6	520 x 420 x 290