

CATEGORY 6A U/UTP PATCH CORD

Norden augmented Category 6 unshielded patch cord delivers optimal transmission & networking performance with reduced Insertion loss and Alien crosstalk. This is fully backward compatible to Category 6 (Class E) and Category 5E (Class D) products and maximizes productivity levels 10 times the data throughput of Category 6. Each patch cord is tested with Fluke tester and individual cover include with the report.

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
Number Of Insulated Conductors	8
Colour Code Of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Overall Shield	Nil
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.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
Wire Scheme	T568B

ELECTRICAL DATA

Impedance @ 1-250 MHz	100 ±15 Ω
Impedance @ 250-500 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
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	96 N min.
Pulling Force	10 N max.
Durability	1000 Mating Cycles
Propagation Delay 1-250 MHz	< 25 ns/100m

TRANSMISSION PERFORMANCE DATA

Freq. (MHz)	NEXT(dB) min.				RL(dB) min.
	1m cord	2m cord	5m cord	10m cord	
1	65.0	65.0	65.0	65.0	19.5
4	65.0	65.0	65.0	65.0	21.0
10	64.9	64.8	64.2	62.8	22.0
20	60.7	60.1	58.7	57.3	23.0
30	56.9	56.3	54.9	53.6	23.0
60	51.0	50.4	49.2	48.1	20.0
100	47.0	46.4	45.4	44.5	18.0
200	41.1	40.7	39.9	39.3	15.0
250	39.3	38.9	38.1	37.7	14.0
300	36.4	36.2	35.9	35.8	12.5
400	31.2	31.6	32.0	32.4	10.5
500	27.8	28.2	28.5	29.4	9.2

ORDERING INFORMATION

Part Number	Description	Length
127-41101X	Category 6a U/UTP Patch Cord PVC 01m	1m
127-41102X	Category 6a U/UTP Patch Cord PVC 02m	2m
127-41103X	Category 6a U/UTP Patch Cord PVC 03m	3m
127-41105X	Category 6a U/UTP Patch Cord PVC 05m	5m
127-41110X	Category 6a U/UTP Patch Cord PVC 10m	10m
127-41115X	Category 6a U/UTP Patch Cord PVC 15m	15m
127-41120X	Category 6a U/UTP Patch Cord PVC 20m	20m
127-41125X	Category 6a U/UTP Patch Cord PVC 25m	25m
127-42101X	Category 6a U/UTP Patch Cord LSZH 01m	1m
127-42102X	Category 6a U/UTP Patch Cord LSZH 02m	2m
127-42103X	Category 6a U/UTP Patch Cord LSZH 03m	3m
127-42105X	Category 6a U/UTP Patch Cord LSZH 05m	5m
127-42110X	Category 6a U/UTP Patch Cord LSZH 10m	10m
127-42115X	Category 6a U/UTP Patch Cord LSZH 15m	15m
127-42120X	Category 6a U/UTP Patch Cord LSZH 20m	20m
127-42125X	Category 6a U/UTP Patch Cord LSZH 25m	25m

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

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PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
127-41101X	150 x 1	Carton Box	6.5	7.5	460 x 290 x 275
127-41102X	80 x 1	Carton Box	7.0	8.0	460 x 290 x 275
127-41103X	60 x 1	Carton Box	7.0	8.0	460 x 290 x 275
127-41105X	50 x 1	Carton Box	10.2	11.2	520 x 420 x 290
127-41110X	25 x 1	Carton Box	9.8	10.8	520 x 420 x 290
127-41115X	20 x 1	Carton Box	11.8	12.8	520 x 420 x 290
127-41120X	15 x 1	Carton Box	11.8	12.8	520 x 420 x 290
127-41125X	15 x 1	Carton Box	13.6	14.6	520 x 420 x 290
127-42101X	150 x 1	Carton Box	6.5	7.5	460 x 290 x 275
127-42102X	80 x 1	Carton Box	7.0	8.0	460 x 290 x 275
127-42103X	60 x 1	Carton Box	7.0	8.0	460 x 290 x 275
127-42105X	50 x 1	Carton Box	10.2	11.2	520 x 420 x 290
127-42110X	25 x 1	Carton Box	9.8	10.8	520 x 420 x 290
127-42115X	20 x 1	Carton Box	11.8	12.8	520 x 420 x 290
127-42120X	15 x 1	Carton Box	11.8	12.8	520 x 420 x 290
127-42125X	15 x 1	Carton Box	13.6	14.6	520 x 420 x 290