

CATEGORY 6A U/UTP SLIM PATCH CORD

Norden Category 6A 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 Copper
Conductor Size	28 AWG, 7 x 0.127mm
Wire Insulation	HDPE
Nom.Stranded Diameter	0.38 mm
Insulation Dia	0.13mm
Number Of Insulated Conductors	8
Outer Jacket and Boots	PVC/LSZH
Jacket Thickness	0.55mm
Cable Overall diameter	3.9 ± 0.2mm
Storage Temperature	-20 °C to +80 °C
Temperature Operating Range	-20 °C to +75 °C
Flame Test	FT4
Wire Scheme	T568B

ELECTRICAL DATA

Impedance	100 ±15 Ω @ 1-500MHz
DC Resistance Max	376 Ω /km at 20°C
Min. Insulation Resistance(Ω-m)	PE:100M
Mutual Capacitance	43 pF/m nominal at 1 kHz
Capacitance Unbalance	1500 pF/km max. at 1 kHz (wire to ground)
Voltage Rating	1.5 Amps, 30 VAC / 56 VDC
Dielectric Strength	AC-500V/1 Min

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MECHANICAL & TRANSMISSION DATA

Cable To Plug Tensile Strength	1.05kgf/mm ²
Pulling Force	5kg
Durability	750 times
Propagation Delay 1-250 MHz	under 20ns

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
127-01101X	Category 6A U/UTP Slim Patch Cord PVC 01m	1m
127-01102X	Category 6A U/UTP Slim Patch Cord PVC 02m	2m
127-01103X	Category 6A U/UTP Slim Patch Cord PVC 03m	3m
127-01105X	Category 6A U/UTP Slim Patch Cord PVC 05m	5m
127-01110X	Category 6A U/UTP Slim Patch Cord PVC 10m	10m
127-01115X	Category 6A U/UTP Slim Patch Cord PVC 15m	15m
127-01120X	Category 6A U/UTP Slim Patch Cord PVC 20m	20m
127-01125X	Category 6A U/UTP Slim Patch Cord PVC 25m	25m
127-01130X	Category 6A U/UTP Slim Patch Cord PVC 30m	30m
127-02101X	Category 6A U/UTP Slim Patch Cord LSZH 01m	1m
127-02102X	Category 6A U/UTP Slim Patch Cord LSZH 02m	2m
127-02103X	Category 6A U/UTP Slim Patch Cord LSZH 03m	3m
127-02105X	Category 6A U/UTP Slim Patch Cord LSZH 05m	5m
127-02110X	Category 6A U/UTP Slim Patch Cord LSZH 10m	10m
127-02115X	Category 6A U/UTP Slim Patch Cord LSZH 15m	15m
127-02120X	Category 6A U/UTP Slim Patch Cord LSZH 20m	20m
127-02125X	Category 6A U/UTP Slim Patch Cord LSZH 25m	25m
127-02130X	Category 6A U/UTP Slim Patch Cord LSZH 30m	30m

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

