

CAT 5E U/UTP 28AWG SLIM PATCH CORD

Norden Category 5E UTP slim patch cords for easy installation and maintenance are manufactured using high quality unshielded four pair Category 5E stranded cable, and feature cable strain relief boots with a plug latch protection cap. This patch cord when used with high performance Norden Category 5E connectivity (solid UTP cable, patch panels and work area outlets), provide superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support.

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 Copper
Conductor Size	28 AWG
Wire Insulation	HDPE
Number Of Insulated Conductors	8
Colour Code Of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Outer Jacket And Boots	PVC/LSZH
Jacket And Boot Colour	Per requirement
Cable O.D.	3.8 ± 0.15mm
Storage Temperature	-20 °C to +80 °C
Temperature Operating Range	-20 °C to +75 °C
Wire Scheme	T568B

ELECTRICAL DATA

Impedance @ 1-100 MHz	100 ±15 Ω
Impedance @ 100-250 MHz	100 ±15 Ω
Conductor Resistance	<530 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.
Pair to Ground Capacitance Unbalance	3.3 nF/Km nom.



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MECHANICAL & TRANSMISSION DATA

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

TRANSMISSION 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
127-71101X	Cat 5E U/UTP 28AWG Slim Patch Cord PVC, 01mtr	1m
127-711F5X	Cat 5E U/UTP 28AWG Slim Patch Cord PVC, 1.5mtr	1.5m
127-71102X	Cat 5E U/UTP 28AWG Slim Patch Cord PVC, 02mtr	2m
127-71103X	Cat 5E U/UTP 28AWG Slim Patch Cord PVC, 03mtr	3m
127-71105X	Cat 5E U/UTP 28AWG Slim Patch Cord PVC, 05mtr	5m
127-72101X	Cat 5E U/UTP 28AWG Slim Patch Cord LSZH, 01mtr	1m
127-721F5X	Cat 5E U/UTP 28AWG Slim Patch Cord LSZH, 1.5mtr	1.5m
127-72102X	Cat 5E U/UTP 28AWG Slim Patch Cord LSZH, 02mtr	2m
127-72103X	Cat 5E U/UTP 28AWG Slim Patch Cord LSZH, 03mtr	3m
127-72105X	Cat 5E U/UTP 28AWG Slim Patch Cord LSZH, 05mtr	5m

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)
127-71101X	150 x 1	Carton Box	4.8	5.8	520 x 420 x 290
127-711F5X	120 x 1	Carton Box	5.4	6.4	520 x 420 x 290
127-71102X	120 x 1	Carton Box	7.5	8.5	520 x 420 x 290
127-71103X	100 x 1	Carton Box	9.3	10.3	520 x 420 x 290
127-71105X	60 x 1	Carton Box	9.3	10.3	520 x 420 x 290
127-72101X	150 x 1	Carton Box	4.8	5.8	520 x 420 x 290
127-721F5X	120 x 1	Carton Box	5.4	6.4	520 x 420 x 290
127-72102X	120 x 1	Carton Box	7.5	8.5	520 x 420 x 290
127-72103X	100 x 1	Carton Box	9.3	10.3	520 x 420 x 290
127-72105X	60 x 1	Carton Box	9.3	10.3	520 x 420 x 290