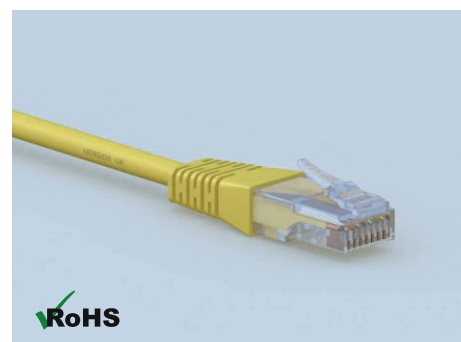


CATEGORY 6 U/FTP PATCH CORD

Norden Category 6 U/FTP patch cords are manufactured using high-quality U/FTP four-pair Category 6 stranded cable, and feature cable strain relief boots with a plug latch protection cap. This patch cord when used with high-performance Norden Category 6 connectivity (solid U/FTP cable, patch panels, and work area outlets), provides superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support. This is fully backward compatible with Category 5e (Class D) products. Each patch cord is tested with a Fluke tester and individual covers include with the report. Norden Category 6 Patch cord is tested for transmission frequencies of up to 250 MHz.



COMPLIANCE

IEEE 802.af and IEEE 802.3at for PoE applications
 ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition)
 IEC 61156-2, EN 50173; EN 50288-6-2 Category 6 standard

DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare 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
Individual Pair Shield	Aluminium/Polyester
Shield Coverage	≥125%
Drain Wire	Stranded Tinned Copper
Outer Jacket and Boots	LSZH or PVC
Jacket And Boot Colour	Per requirement
Standard Surface Marking	Includes Norden P/N, and cable description.
Cable Outer Diameter	6.0 ± 0.2 mm
Bend Radius	60mm
Operating Temperature	-10 °C to +60 °C
Storage Temperature	-10 °C to +40 °C
Flame Test	FT4
Wire Scheme	T568B

ELECTRICAL DATA

Characteristics Impedance	100±6 Ohm @ 1-250MHz
Conductor Resistance	≤5Ω
Contact Resistance	20 m ohms max.
Resistance Unbalance	2% max
Mutual Capacitance	5.6 nF/100m
Voltage Rating	75 V ac max.
Dielectric Strength	1000 volts/1-minute rms
Ampacity	1.0 Amps max.
Coupling attenuation	40dB min @30-100 MHz 40-20log (f/100)@100-250 MHz
Insulation Resistance	≥10MΩ
Pair To Ground Capacitance Unbalance	3.3 nF/Km nom.

CATEGORY 6 U/FTP PATCH CORD

MECHANICAL & TRANSMISSION DATA

Cable To Plug Tensile Strength	90 N min.
Pulling Force	10 N max.
Durability	≥1200 matching cycles
Propagation Delay 1-250 MHz	<25 ns/100m

ELECTRICAL PERFORMANCE DATA

Freq. (MHz)	NEXT(dB) min.			RL(dB) min.
	2m cord	5m cord	10m cord	
1	68.0	68.0	68.0	20.0
4	65.0	65.0	65.0	21.8
10	64.8	64.2	62.8	22.5
20	60.9	58.6	57.2	23.4
30	56.2	54.9	53.6	23.0
60	50.4	49.2	48.1	20.0
100	46.4	45.3	44.4	18.0
125	44.5	43.5	42.7	17.0
150	43.2	42.2	41.1	16.2
200	40.8	39.6	39.1	15.0
250	38.8	37.9	37.6	13.8

ORDERING INFORMATION

Part Number	Description	Length
127-31301X	Category 6 U/FTP Patch Cord PVC 01 Mtr	1m
127-31302X	Category 6 U/FTP Patch Cord PVC 02 Mtr	2m
127-31303X	Category 6 U/FTP Patch Cord PVC 03 Mtr	3m
127-31305X	Category 6 U/FTP Patch Cord PVC 05 Mtr	5m
127-32301X	Category 6 U/FTP Patch Cord LSZH 01 Mtr	1m
127-32302X	Category 6 U/FTP Patch Cord LSZH 02 Mtr	2m
127-32303X	Category 6 U/FTP Patch Cord LSZH 03 Mtr	3m
127-32305X	Category 6 U/FTP Patch Cord LSZH 05 Mtr	5m

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