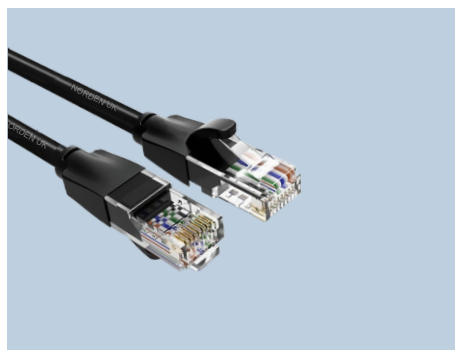


# CATEGORY 6 U/UTP EXTERNAL DOUBLE JACKET PATCH CORD - PE WITH ANTI RODENT CHEMICAL NORDATA

Norden Cat 6 U/UTP External Double Jacket Patch Cord consists of PE insulated 26AWG Stranded Bare Electrolytic Grade Copper Conductors (4 pairs), separated from one another through a cross separator (which improves the Cross Talk). The cable has an inner sheath of PVC followed by an outer jacket of PE with Anti-Rodent Chemical properties. This patch cord when used with high-performance Norden Category 6 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. Each patch cord is tested with a Fluke tester.



## COMPLIANCE

IEEE 802.af and IEEE 802.3at for PoE applications  
ANSI/TIA-568.2-D 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 Electrolytic Grade Copper
Conductor Size	26AWG
Wire Insulation	Polyethylene (HDPE)
Number Of Insulated Conductors	8
Colour Code Of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Individual Pair Shield	Nil
Overall Shield	Nil
Drain Wire	None
Inner Sheath	PVC
Colour of Inner Sheath	Grey
Outer Sheath	PE with AntiRodent
Colour of Outer Sheath	Black
Cable O.D.	6.50 ± 0.30 mm
Standard Surface Marking	Includes Norden P/N, cable description
Rip Cord	Yes
Cross Filler	HDPE
Operating Temperature	-20 °C to +75 °C
Storage Temperature	-20 °C to +80 °C
Bend Radius	>23 mm without load
Wire Scheme	T568B

# CATEGORY 6 U/UTP EXTERNAL DOUBLE JACKET PATCH CORD - PE WITH ANTI RODENT CHEMICAL

## ELECTRICAL DATA

Characteristic Impedance	100±15 Ohms
Conductor Resistance	Max. 145 Ω/km @20°C
Contact Resistance	Max. 20 MΩ
Resistance Unbalance	Max. 5 %
Mutual Capacitance	Max. 5.6 nf/100 mtr
Pair to Ground Capacitance Unbalance	Max. 330 pf/100 mtr
Voltage Rating	72 VDC
Ampacity	Max.1.0 Amps
Normal Velocity of Propagation	69%
Worst Case Cable Skew	Max. 45 ns/100 mtr
Worst Cable Skew	45 ns/100 mtr
Durability	1000 Mating Cycles
Propagation Delay 1-250MHz	< 25 ns/100m

## TRANSMISSION PERFORMANCE DATA

Freq. (MHz)	ATT(dB/100m) max.	NEXT(dB) min.	PS.NEXT(dB) min.	ACRF (dB@100m)min.	PS.ACRF (dB@100m)min.	Return Loss (dB) min.
1	2.1	65	62	63.3	60.3	19
4	4	63	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.2	54	43.3	40.3	19
16	8	53.2	50.6	39.2	36.2	18
20	9	51.6	49	37.2	34.2	17.5
25	10.1	50	47.3	35.3	32.3	17
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14
100	21.3	39.9	37.1	23.3	20.3	12
200	31.5	34.8	31.9	17.2	14.2	9
250	35.9	33.1	30.2	15.3	12.3	8

## ORDERING INFORMATION

Part Number	Description	Length
12R-3G101X	Cat 6 U/UTP External Double Jacket Patch Cord - PE with Anti Rodent Chemical	1m
12R-3G102X	Cat 6 U/UTP External Double Jacket Patch Cord - PE with Anti Rodent Chemical	2m
12R-3G103X	Cat 6 U/UTP External Double Jacket Patch Cord - PE with Anti Rodent Chemical	3m
12R-3G105X	Cat 6 U/UTP External Double Jacket Patch Cord - PE with Anti Rodent Chemical	5m

X: BK(Black)

# CATEGORY 6 U/UTP EXTERNAL DOUBLE JACKET PATCH CORD - PE WITH ANTI RODENT CHEMICAL

## PACKING INFORMATION

Part Number	Packing Mode	N.W (kg)	Dimension (mm)
12R-3G101X	Polybag	0.06	540 x 360 x 230
12R-3G102X	Polybag	0.14	540 x 360 x 230
12R-3G103X	Polybag	0.18	540 x 360 x 230
12R-3G105X	Polybag	0.30	540 x 360 x 230