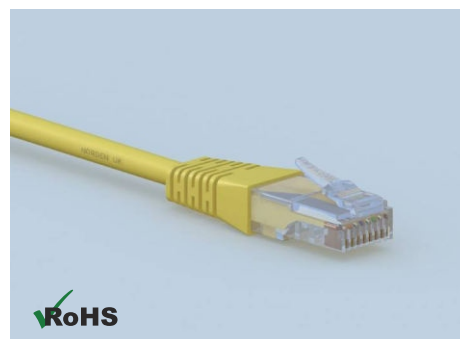


CATEGORY 6 F/UTP PATCH CORD

Norden Category 6 F/UTP patch cords are manufactured using high quality F/UTP 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 F/UTP cable, patch panels and work area outlets), provide superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support.

This is fully backward compatible to Category 5e (Class D) products. Each patch cord is tested with Fluke tester and individual cover 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-568.2-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 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 |
| Individual Pair Shield | Aluminium foil |
| Overall Shield | Nil |
| Drain Wire | Yes |
| 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 | 5.7 ± 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 |
| Halogen Content In LSZH Cables | Null |
| Wire Scheme | T568B |

ELECTRICAL DATA

| | |
|--------------------------------------|----------------|
| Impedance @ 1-100 MHz | 100 ±15 Ω |
| Impedance @ 100-250 MHz | 100 ±15 Ω |
| Conductor Resistance | <7Ω/km |
| Contact Resistance | 20 MΩ max. |
| Resistance Unbalance | 2 % max. |
| Voltage Rating | 72 Vdc |
| 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. |

CATEGORY 6 F/UTP PATCH CORD

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 |

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 |
|-------------|--------------------------------------|--------|
| 127-31201X | Category 6 F/UTP Patch Cord PVC 01m | 1m |
| 127-31202X | Category 6 F/UTP Patch Cord PVC 02m | 2m |
| 127-31203X | Category 6 F/UTP Patch Cord PVC 03m | 3m |
| 127-31205X | Category 6 F/UTP Patch Cord PVC 05m | 5m |
| 127-31210X | Category 6 F/UTP Patch Cord PVC 10m | 10m |
| 127-31215X | Category 6 F/UTP Patch Cord PVC 15m | 15m |
| 127-31220X | Category 6 F/UTP Patch Cord PVC 20m | 20m |
| 127-31225X | Category 6 F/UTP Patch Cord PVC 25m | 25m |
| 127-32201X | Category 6 F/UTP Patch Cord LSZH 01m | 1m |
| 127-32202X | Category 6 F/UTP Patch Cord LSZH 02m | 2m |
| 127-32203X | Category 6 F/UTP Patch Cord LSZH 03m | 3m |
| 127-32205X | Category 6 F/UTP Patch Cord LSZH 05m | 5m |
| 127-32210X | Category 6 F/UTP Patch Cord LSZH 10m | 10m |
| 127-32215X | Category 6 F/UTP Patch Cord LSZH 15m | 15m |
| 127-32220X | Category 6 F/UTP Patch Cord LSZH 20m | 20m |
| 127-32225X | Category 6 F/UTP Patch Cord LSZH 25m | 25m |

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

CATEGORY 6 F/UTP PATCH CORD

PACKING INFORMATION

| Part Number | Packing Qty. | Packing Mode | N.W (kg) | G.W (kg) | Dimension (mm) |
|-------------|--------------|--------------|----------|----------|-----------------|
| 127-31201X | 150 x 1 | Carton Box | 8.6 | 9.7 | 520 x 420 x 290 |
| 127-31202X | 120 x 1 | Carton Box | 11.6 | 12.7 | 520 x 420 x 290 |
| 127-31203X | 100 x 1 | Carton Box | 13.5 | 14.6 | 520 x 420 x 290 |
| 127-31205X | 60 x 1 | Carton Box | 13.5 | 14.6 | 520 x 420 x 290 |
| 127-31210X | 35 x 1 | Carton Box | 15.7 | 16.8 | 520 x 420 x 290 |
| 127-31215X | 25 x 1 | Carton Box | 15.7 | 16.8 | 520 x 420 x 290 |
| 127-31220X | 20 x 1 | Carton Box | 17.1 | 18.2 | 520 x 420 x 290 |
| 127-31225X | 20 x 1 | Carton Box | 21.0 | 22.1 | 520 x 420 x 290 |
| 127-32201X | 150 x 1 | Carton Box | 8.6 | 9.7 | 520 x 420 x 290 |
| 127-32202X | 120 x 1 | Carton Box | 11.6 | 12.7 | 520 x 420 x 290 |
| 127-32203X | 100 x 1 | Carton Box | 13.5 | 14.6 | 520 x 420 x 290 |
| 127-32205X | 60 x 1 | Carton Box | 13.5 | 14.6 | 520 x 420 x 290 |
| 127-32210X | 35 x 1 | Carton Box | 15.7 | 16.8 | 520 x 420 x 290 |
| 127-32215X | 25 x 1 | Carton Box | 15.7 | 16.8 | 520 x 420 x 290 |
| 127-32220X | 20 x 1 | Carton Box | 17.1 | 18.2 | 520 x 420 x 290 |
| 127-32225X | 20 x 1 | Carton Box | 21.0 | 22.1 | 520 x 420 x 290 |