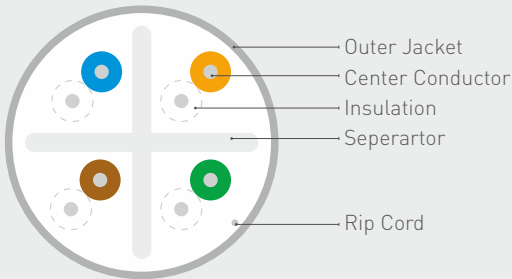
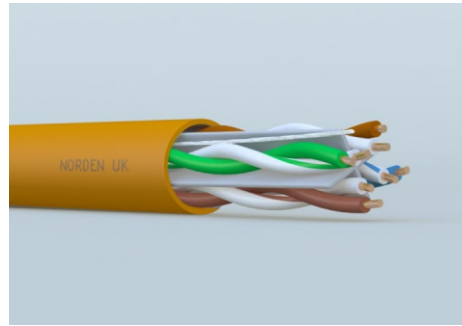


CATEGORY 6 U/UTP 24AWG 4 PAIR CABLE

Norden Category 6 UTP cables exceed Category 6 / Class E specification. It is tested to 250 MHz frequency range and designed to support Gigabit 1000 Base-T and 1000Base-Tx applications upto 100m.

Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to UTP (Unshielded Twisted Pair) cabling systems.



COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications
ANSI/TIA-568-C.2 Category 6
ISO/IEC-11801, Class E / IEC 61156-5: Category 6
LSOH: IEC 60332-1, IEC 60754, IEC 61034

CPR Compliance to B2ca-s1a,d1,a1
EN 50575:2014 + A1:2016

PRODUCT CLASSIFICATION

| | |
|------------------|--------------------|
| Product Sequence | Euro Class |
| Product Type | Twisted Pair Cable |

MATERIAL CONSTRUCTION & DESIGN

| | |
|---------------------------------------|--------------------------|
| Conductor Material | Bare Copper |
| Conductor Size | 24 AWG |
| Conductor Construction | Solid |
| Insulation Material | High Density PE |
| Insulation Diameter | 0.93±0.05 mm |
| Colour Code | Per TIA/EIA 568-B |
| Total Number of Wires | 8 |
| Rip Cord | Yes |
| Outer Jacket | LSOH |
| Outer Jacket Thickness & Ex. Diameter | 0.54±0.05 mm, 6.0±0.2 mm |

CATEGORY 6 U/UTP 24AWG 4 PAIR CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

| | |
|-----------------------------------|-----------------|
| Impedance | 100 ±15 Ω |
| DC Resistance | 98.3 Ω/km norm. |
| Max. Resistance Unbalance | 2.5 % |
| Capacitance | 5.6 nF/100m Max |
| Capacitance Unbalance | 3.3 pF/m max. |
| Propagation Delay Skew | 35 ns/100m max |
| Velocity of propagation | 69 % |
| Min. Insulation Resistance | 5 GΩ•km |
| Max.Tensile Strength - Short Term | 110 N |
| Min. Bend Radius | 54 mm |
| Operating Temperature Range | -10°C to +65°C |

TRANSMISSION PERFORMANCE

Cat. 6 Un-screened Pair Horizontal Cables*

| Freq. Mhz | Attenuation dB/100m @ 20°C | NEXT dB | PSNEXT dB | RL dB | ELFEXT dB | PSELFEXT dB |
|-----------|----------------------------|---------|-----------|-------|-----------|-------------|
| 1 | 2.0 | 74.3 | 72.3 | 20.0 | 67.8 | 64.8 |
| 4 | 3.8 | 65.3 | 63.3 | 23.0 | 55.8 | 52.8 |
| 10 | 6.0 | 59.3 | 57.3 | 25.0 | 47.8 | 44.8 |
| 20 | 8.5 | 54.8 | 52.8 | 25.0 | 41.8 | 38.8 |
| 100 | 19.8 | 44.3 | 42.3 | 20.1 | 27.8 | 24.8 |
| 200 | 29.0 | 39.8 | 37.8 | 18.0 | 21.8 | 18.8 |
| 250 | 32.8 | 38.3 | 36.3 | 17.3 | 19.8 | 16.8 |

*Supplied cables meets Cat. 6 min. transmission requirements as per IEC 61156-5 Ed. 2

ORDERING INFORMATION

| Part Number | Description | Standard Length |
|---------------|---|-----------------|
| 120-10009104X | Category 6 U/UTP 24 AWG 4 Pair Cable LSOH, B2ca | 305 mtr |

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

PACKING INFORMATION

| Part Number | Packing Mode | N.W (kg) | G.W (kg) | Dimension (mm) |
|---------------|--------------|----------|----------|-----------------|
| 120-10009104X | Pulley Box | 12.1 | 13.0 | 400 x 400 x 220 |