



NIKOLAN 2nd series cables provide excellent performance at an affordable price, which makes them the ideal choice for building residential, small local and entry-level structured networks, to be used in projects that do not require system support. The range of indoor cables includes unshielded (U/UTP) cables of category 5e and 6 with PVC or LSZH shells.

Category 6 cable is unshielded U/UTP, and designed for indoor cabling. The outer jacket is made of PVC. Supplied by 305 m in compact easy-pull-out boxes. Also 100 m packaging is available.

Ordering Table

| P/N | Number of pairs | Category | Type | Usage, Jacket | Color | Length, M | Package | Size, mm | Volume, m3 | Weight, kg |
|--------------|-----------------|----------|-------|---------------|--------|-----------|--------------|-------------|------------|------------|
| NKL 2140A-GY | 4 | 6 | U/UTP | Indoor, PVC | Grey | 305 | Pull-out box | 405x405x200 | 0.0328 | 13.5 |
| NKL 2140A-BL | 4 | 6 | U/UTP | Indoor, PVC | Blue | 305 | Pull-out box | 405x405x200 | 0.0328 | 13.5 |
| NKL 2140A-GN | 4 | 6 | U/UTP | Indoor, PVC | Green | 305 | Pull-out box | 405x405x200 | 0.0328 | 13.5 |
| NKL 2140A-WT | 4 | 6 | U/UTP | Indoor, PVC | White | 305 | Pull-out box | 405x405x200 | 0.0328 | 13.5 |
| NKL 2140A-YL | 4 | 6 | U/UTP | Indoor, PVC | Yellow | 305 | Pull-out box | 405x405x200 | 0.0328 | 13.5 |

Detailed characteristics

| Characteristic | Value |
|--|---|
| Category | 6 |
| Bandwidth, MHz | 250 MHz |
| Type | U/UTP |
| Number of pairs | 4 |
| Material of conductors | Pure copper |
| Type of conductors | Solid |
| Diameter of conductors, AWG | 0.53 ± 0.01 mm |
| Insulation material | HDPE |
| Insulation conductor thickness, mm | 0.21 ± 0.02 mm |
| Diameter of conductor insulation, mm | 0.99 ± 0.05 mm |
| Outer jacket material | PVC |
| CPR Class | Eca |
| Application | For indoor laying |
| Jacket thickness, mm | 0.6 ± 0.05 mm |
| Outer jacket diameter, mm | 6 ± 0.3 mm |
| Jacket color | 5 colors |
| Screen construction (common screen) | - |
| Protective film | - |
| Ripcord | Yes |
| Mass density (kg) per unit length (km) | 40.2 ± 0.5 kg/km |
| Radius of bending during laying | ≥ 4x OD |
| Radius of bending during operation | ≥ 8x OD |
| Maximum tensile strength | Max 100 N |
| Characteristic impedance, ohms | 100 ± 15 Ω |
| Nominal velocity of propagation (NVP) | 0.69 ± 0.1 |
| Max. Conductor resistance(DC), ohms/km | ≤ 89 Ω/km |
| Length, M | 305 |
| Compliance | Meets the requirements of standards: ISO/IEC 11801. EN 50173 & TIA/EIA-568-C.2 |
| Supported applications | 10BASE-T, 100BASE-TX, 100BASE-T4. 1000BASE-T, 10GBASE-T (for Cat.6), ATM-25. ATM-51. ATM-155. 100VG-AnyLan, TR-4. TR-16 Active, TR-16 Passive |
| Temperature ranges | Storage from -20 to +60 °C. Installation from 0 to +50 °C. Operation from -20 to +60 °C |
| Warranty | 1 Year |