



NIKOLAN 9th series cables are suitable for projects of any complexity and used to build certified NIKOMAX SCS. The highest quality of production guarantees the superiority of characteristics over the most stringent world standards. NIKOLAN 9th series are delivered on drums guaranteeing safety during transportation, consistency of features and ease of operation during installation.

Shielded cables (F / UTP, SF / UTP) have good protection against external electromagnetic interference, which, with proper installation and grounding, ensures reliable operation of the network in a complex electromagnetic environment. Individual screening of each pair (F / FTP, S / FTP) additionally protects against crosstalk inside the cable, which ensures stable operation of high-speed applications at frequencies over 100 MHz.

Ordering Table

| P/N | Number of pairs | Category | Type | Application | Color | Length, m | Volume, m3 | Weight, kg |
|----------------|-----------------|----------|-------|--------------|--------|-----------|------------|------------|
| NKL 9350C-OR 4 | 4 | 6A | S/FTP | Indoor, LSZH | Orange | 305 | 0.0255 | 19.2 |
| NKL 9350C-WT 4 | 4 | 6A | S/FTP | Indoor, LSZH | White | 305 | 0.0255 | 19.2 |
| NKL 9351C-OR 4 | 4 | 6A | S/FTP | Indoor, LSZH | Orange | 100 | 0.0143 | 5.75 |

Detailed characteristics

| Characteristic | Value |
|---|---|
| Category | 6A |
| Bandwidth, MHz | 500 |
| Type | S/FTP |
| Number of pairs | 4 |
| Material of conductors | Copper |
| Type of conductors | Solid |
| Diameter of conductors, AWG | 23 AWG (0.585 ± 0.01 mm) |
| Insulation material | Foamed polyethylene (PE foam) |
| Insulation conductor thickness, mm | 0.43 ± 0.02 mm |
| Diameter of conductor insulation, mm | 1.45 ± 0.05 mm |
| Outer jacket material | LSZH |
| CPR Class | CPR Class Dca-s1, d2, a1 |
| Application | For Indoor installation |
| Jacket thickness, mm | 0.7 ± 0.05 mm |
| Outer jacket diameter, mm | 7.4 ± 0.3 mm |
| Jacket color | Orange / White |
| Screen construction (common screen) | Braid made of tinned copper wire with a coating area of at least 40% |
| Protective film | – |
| Ripcord | – |
| Mass density (kg) per unit length (km) | 55.8 ± 0.5 kg/km |
| Radius of bending during laying | At least 10 cable diameters |
| Radius of bending during operation | At least 8 cable diameters |
| Maximum tensile strength | Not more than 100 N |
| Characteristic impedance, ohms | 100 ± 15 ohms |
| Nominal velocity of propagation (NVP) | 0.78 ± 0.1 |
| Max. Conductor resistance(DC), ohms/km | ≤ 95 ohms/km |
| Length, M | 305 M |
| Compliance | Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA -568-C.2 |
| Supported applications | 10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (For Cat. 6 & 6A), 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 |
| Individual packing | Wooden Drum |
| Package dimensions (LxW or W x H x D), mm | 350x265 mm |
| Warranty | Extended - 15 years. 25 years - As part of a certified NIKOMAX SCS. |
| Individual screen design | 100% coverage of Polyester aluminum foil |