

# NKL-F-xxxS2TG-02B-BK

NIKOLAN Fiber-Optic Cable, SingleMode 9/125µm OS2, Uni Loose Tube, With Corrugated Steel tape & E - glass yarn, Outdoor, PE Jacket, Black



NIKOLAN cables, with corrugated steel tape and E - glass yarn are designed for laying in the cable sewerage, blocks, tunnels, collectors, on bridges and flyovers, in ground of 1 - 3 groups, between buildings and structures. NKL-F-xxxxyTG-02B-BK cables are designed for outdoor installation and contain two, four, six, eight, twelve, sixteen and twenty four optical fibers. Optical cables can be made with fibers comply with the following standard: ITU-T G652.D., ISO/IEC 11801 OS2/OM2/OM3/OM4. Optical fibers are laid in the loose tube, which is filled with a hydrophobic gel. E - glass yarn is used as strength member. Loose tube covered steel tape. The outer jacket is made of PE, resistant to ultraviolet radiation.

## Ordering Table

| P/N                    | Number of fibers | Fiber type   | Jacket | Individual package |            |
|------------------------|------------------|--------------|--------|--------------------|------------|
|                        |                  |              |        | Volume, m3         | Weight, kg |
| NKL-F-002S2TG-02B-BK2  |                  | SM 9/125 OS2 | PE     | -                  | -          |
| NKL-F-004S2TG-02B-BK4  |                  | SM 9/125 OS2 | PE     | -                  | -          |
| NKL-F-006S2TG-02B-BK6  |                  | SM 9/125 OS2 | PE     | -                  | -          |
| NKL-F-008S2TG-02B-BK8  |                  | SM 9/125 OS2 | PE     | -                  | -          |
| NKL-F-012S2TG-02B-BK12 |                  | SM 9/125 OS2 | PE     | -                  | -          |
| NKL-F-016S2TG-02B-BK16 |                  | SM 9/125 OS2 | PE     | -                  | -          |
| NKL-F-024S2TG-02B-BK24 |                  | SM 9/125 OS2 | PE     | -                  | -          |

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**Detailed characteristics**

| <b>Characteristic</b>                  | <b>Value</b>   |
|--|--|
| CPR Class                              | Fca  |
| Outer jacket material                  | PE   |
| Application                            | Outdoor  |
| Mass density (kg) per unit length (km) | 31 kg/km / 31 kg/km / 31 kg/km / 31 kg/km / 31 kg/km / 36 kg/km / 36 kg/km   |
| Maximum tensile strength               | 1000N  |
| Warranty                               | Component - 5 years. 25 years - as part of a certified NIKOMAX SCS   |
| Packaging                              | Wooden drum  |
| Diameter of cable                      | 6.5 mm / 6.5 mm / 6.5 mm / 6.5 mm / 6.5 mm / 7.0 mm / 7.0 mm   |
| Temperature ranges                     | Transportation and storage from -50 to +70 ° C. Laying and installation from -20 to +60 ° C.<br>Operation -40 to +60 ° C |
| Compliance                             | ITU-T G652.D or ISO/IEC 11801 OS2  |
| Number of fibers                       | 2 / 4 / 6 / 8 / 12 / 16 / 24   |
| Type of optical fiber                  | Singlemode fiber 9/125   |
| Minimum bending radius                 | Not less than 10 times the cable diameter  |
| Color of outer jacket                  | Black  |
| Peripheral strength element            | Steel Tape & E - glass yarn  |