

## NKL-F-xxxM4I-00C-MG

Fiber-Optic Cable, Multi Mode 50 / 125µm, OM4, Distribution, indoor/outdoor, with High Strength yarn, LSZH Hr (A) -HFLTx, Magenta



Distribution optical cables, reinforced with High Strength yarn, are designed for laying inside buildings, in cable trays and channels, pipes and blocks. Used in the construction of the backbone cable subsystem of the building. NIKOLAN NKL-F-xxxM4I-00C-MG cables that contain two, four, eight, twelve, sixteen or twenty-four optical fibers in a tight buffer comply with the ISO / IEC 11801 OM4 standard. The optical fiber surrounded by High Strength yarn and encased in a low smoke zero- halogen jacket.

### Ordering Table

| P/N                 | Number of fibers | Fiber type | Jacket           | Individual package |            |
|---------------------|------------------|------------|------------------|--------------------|------------|
|                     |                  |            |                  | Volume, m3         | Weight, kg |
| NKL-F-002M4I-00C-MG | 2                | MM 50/125  | UV LSZH compound | 0.172              | 28         |
| NKL-F-004M4I-00C-MG | 4                | MM 50/125  | UV LSZH compound | 0.172              | 42         |
| NKL-F-008M4I-00C-MG | 8                | MM 50/125  | UV LSZH compound | 0.193              | 65         |
| NKL-F-012M4I-00C-MG | 12               | MM 50/125  | UV LSZH compound | 0.193              | 85         |
| NKL-F-016M4I-00C-MG | 16               | MM 50/125  | UV LSZH compound | 0.268              | 98         |
| NKL-F-024M4I-00C-MG | 24               | MM 50/125  | UV LSZH compound | 0,309              | 110        |

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## Detailed characteristics

| Characteristic                         | Value  |
|--|--|
| CPR Class                              | Eca  |
| Outer jacket material                  | LSZH   |
| Application                            | Indoor and Outdoor   |
| Jacket color                           | Magenta  |
| Mass density (kg) per unit length (km) | 11.0 kg/km / 18.0 kg/km / 28.0 kg/km / 38.0 kg/km / 47.0 kg/km / 50.0 kg/km  |
| Maximum tensile strength               | 440 /660   |
| Compliance                             | ISO / IEC 11801 OM4  |
| Temperature ranges                     | Transportation and storage from -40 to +70 ° C. Gasket and installation from -0 to +70 ° C.<br>Operation from -40 to +70 ° C |
| Packaging                              | Wooden drum  |
| Warranty                               | Extended - 5 years. 25 years - as a part of certified SKS NIKOMAX  |
| Number of fibers                       | 2/4/8/12/16/24   |
| Type of optical fiber                  | Multimode fiber 50/125 (Multi Mode)  |
| Diameter of Tight buffer               | 900 ± 25 µm  |
| Diameter of cable, mm                  | 3.6 ± 0.2 mm / 4.8 ± 0.2 mm / 5.5 ± 0.2 mm / 6.5 ± 0.2 mm / 7 ± 0.2 mm / 7.8 ± 0.2 mm  |
| Minimum bending radius                 | Not less than 10 times the cable diameter  |
| Crushing Force                         | 100 N / cm   |
| Packing dimensions (LxW)               | 600x478mm / 600x535mm / 700x547mm / 750x550mm  |
| Peripheral strength element            | High Strength yarn   |