

MICRODUCTS BUNDLES for reliable data transmission

- designed for **quick, easy and cost-effective installation** of a large number of ducts in various configurations in a single step
- optimized for **easy cable blowing** thanks to permanent thermoplastic lubrication
- designed for **mechanical protection** of optical and metallic cables
- especially **suitable for efficient deployment of FTTH networks** (Fiber To The Home - optical connection to the home)
- **high-quality solutions for your networks** ensured by continuous quality checks
- long-term, repeatedly tested by **leading optical network operators**

MATERIAL OPTIONS

HDPE (high-density polyethylene)

- excellent physical and mechanical properties
- resistance to water and chemicals, rodents and other external impacts
- possibility of enhanced UV resistance
- temperature resistance during installation -10 °C to +50 °C
- operating temperature range -40 °C to +70 °C
- recyclable material

PLB (permanently pre-lubricated duct)

- low friction coefficient < 0.1
- friction factor doesn't change over time
- shorter installation time
- longer distances for installation

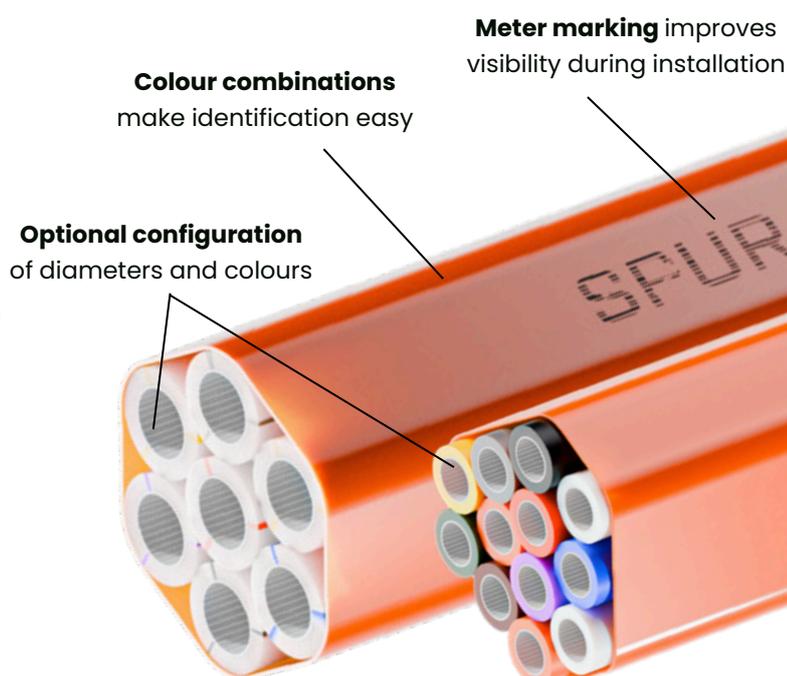
BENEFITS

Streamlining
network
construction

The ideal solution
for optical
networks

**Lower
installation
costs**

**Reduced space
requirements**



SPUR OPTIX®

Light Speed Protection

DESIGN

The outer sheath of the microduct bundle is made of primary HDPE and has a standard thickness of 0.75 mm. It fits tightly around the bundle of microtubes, but is not connected to them.

The colour of the outer sheath and its marking are optional based on customer requirements.

Bundles can be buried directly into the ground (DB version – Direct Burial).

The expected service life is 50 years.

MICRODUCTS COLOURS



Yellow



Red



Blue



Black



Brown



White



Turquoise



Gray



Orange



Purple



Pink



Green

INNER LAYER OPTIONS



Ribbed inner wall



Ribbed inner wall with PLB



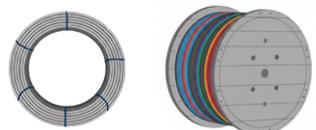
Smooth inner wall



Smooth inner wall with PLB

PACKAGING

Bundles are packed in coils or on drums. The length of individual rolls depends on the type of bundle and is specified according to specific demand.



CONFIGURATION

Examples of possible bundle configurations – standard numbers of tubes of any size in a single bundle are 2, 3, 4, 7, 12, or 24.



Examples of possible combined bundle configurations

In addition to the examples above, bundles can be configured according to customer requirements, e.g. different combinations of colours and microtube diameters in one bundle.



MARKING



Nature



4x1

Identification stripes:

In the natural version, microtubes can be produced with distinguishing stripes.

OUTER SHEATH COLOUR

Single-colour or with distinguishing stripes.