

# MICRODUCTS for reliable data transmission

- for **maximum flexibility** when using existing HDPE ducts and building new routes via direct installation
- designed **for mechanical protection** of optical and metallic cables
- optimized for **easy cable blowing** thanks to permanent thermoplastic lubrication
- **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

**Streamlined** network construction

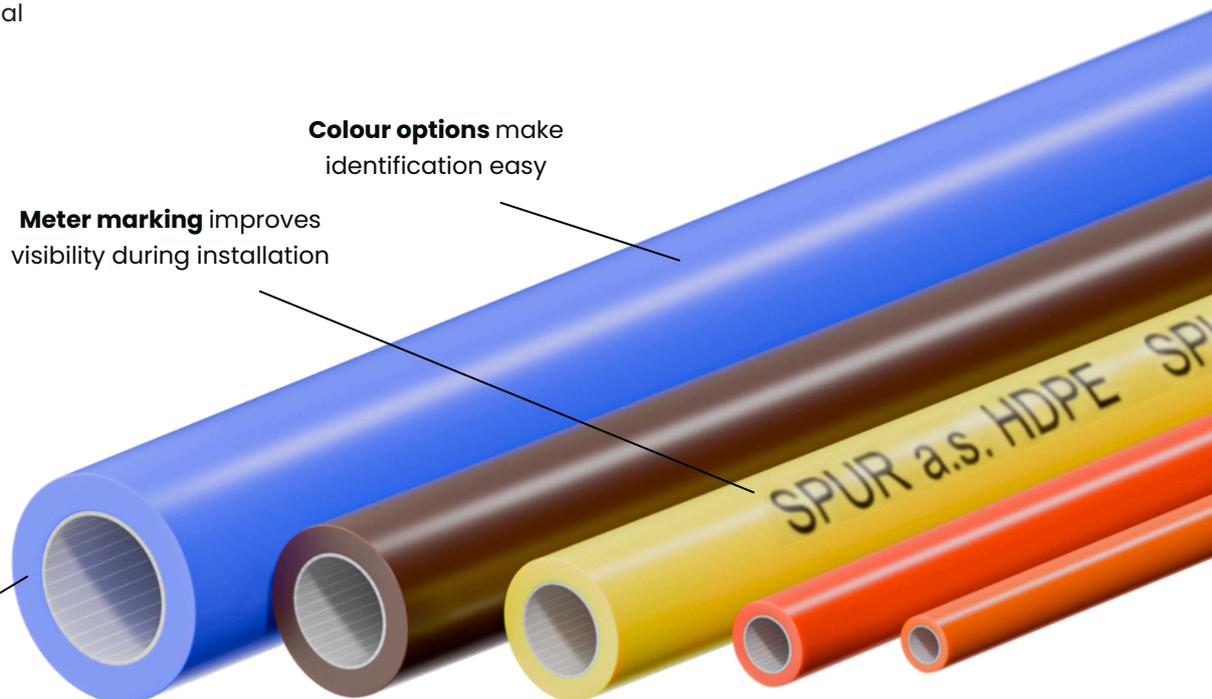
**Easy connection** using connectors

**The ideal solution** for optical networks

**Optional configuration** of diameters and colours

**Meter marking** improves visibility during installation

**Colour options** make identification easy



# SPUR OPTIX®

Light Speed Protection

## TYPES

**DI (Direct Install)** – thin-walled microducts designed for installation in conduits or indoors.

**DB (Direct Burial)** – thick-walled microducts designed for direct burial in the ground.

## PARAMETERS

DI / DB version	Outer diameter mm	Inner diameter mm	Wall thickness mm	Length per MTB 3 drum m
DI	7	5.5	0.75	3 000
DI	10	8	1	3 000
DB	7	4	1.5	3 000
DB	7	3.5	1.75	3 000
DB	10	6	2	3 000
DB	10	5.5	2.25	3 000
DB	12	10	1	2 000
DB	12	8	2	2 000
DB	14	10	2	1 500
DB	16	12	2	1 000

## MICRODUCTS COLOURS



Yellow



Red



Blue



Black



Brown



White



Turquoise



Gray



Orange



Purple



Pink



Green

## MARKING



Nature



4x1

### Identification stripes:

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

## INNER LAYER OPTIONS



Ribbed inner wall



Ribbed inner wall with PLB



Smooth inner wall



Smooth inner wall with PLB

## PACKAGING



**MTB 3 Drum – 900 × 600 × 300 mm**  
(outer diameter × width × core diameter)