

Microduct Multi

12 x 7/4 mm

P/n: U011202000090

- Available in configurations with 2 to 24+1 pathways, with sizes ranging from 7-22 mm OD
- Duct bundle with thick PE sheathing material as standard no adhesion with the individual ducts
- Different sheath colour possible for improved differentiation in the trench
- Ultraviolet resistance up to 2 years in Central European climate
- Clear allocation of the internal PE-HD microducts using different colour combinations and corresponding duct numbers
- Disposable metal and wooden drum on transport frame for secure storage and handling
- Fulfilment of the specifications of major telecommunication companies like Deutsche Glasfaser, Deutsche Telekom and Vodafone

Colors Available

The tube colors are manufactured according to DIN VDE 0888.

| | Single Duct Specifications 7/4 | Multi Duct Specifications 12 x 7/4 | |
|------------------------|---|------------------------------------|------------------------------------|
| Outer Diameter : | 7.0 mm Ø: -0.1 mm / +0.15 mm | 28.0 x 30.0 mm | |
| Inner Diameter : | min 3.9 mm | | |
| Wall Thickness: | 1.5 mm -0.1 mm / +0.1 mm | 0.9 mm | |
| Ovality : | max 5% | | |
| Material | PE-HD | | |
| Weight | 0.025 kg/m | 0.395 kg/m | |
| Recommended Cable | 1.0 – 2.5 mm | | |
| Bending Radius | 70 mm | 560 mm | IEC 60794-5-10/IEC 60794-1-21-E11B |
| Tensile Strength | 250 N | | IEC 60794-5-10/IEC 60794-1-21-E1 |
| Creep Rupture Strength | 170 h / 80 °C / 4 N / mm2 according to DIN 16874 | | |
| Homogeneity | DIN 8075 | | |
| Direct Buried | Yes | | |
| Crush Performance | 500 N | 2000 N | IEC 60794-5-10/IEC 60794-1-21-E3 |
| Blowing Pressure | 16 bar | | |
| Burst Pressure | min 40 bar at 20°C | | IEC 60794-5-10/IEC 60794-1-21-F13 |
| Inner Clearance Test | | 85% of inner diameter | IEC 60794-5- 10/IEC 60794-1-21-E23 |
| Marking | 0000 M – U011202000090 – SNBR01 – UCS 12x7/4 – 2024/09/18 | | |



| Temperature | | Bending Radius | |
|-----------------------|---------------|----------------|---|
| Transport and Storage | -10° to +50°C | Single Duct | The recommended minimum bending radius is calculated as follows: 20 × outer diameter at 20 °C |
| Installation | -10° to +50°C | Multi Duct | The recommended minimum bending radius is: 2,5 m |
| Operation | -20° to +60°C | | |

Material Specifications

| | |
|-----------------|--|
| Average Density | > 0,940 g/cm³ at 23 ° |
| UV-Resistance | 2 years under the conditions in Central Europe climate according to EN ISO 4892 -2 |
| Fire Behaviour | Normal Flame-Resistance according to DIN 4102, class B2 |

Packaging Information

| | |
|---------------------|---|
| Drum Size | H: 1900 mm W:1000 mm |
| Drum Length | 1400 m |
| Delivery Protection | The duct bundle drum is delivered on special drum support pallet. The ducts are sealed on both ends with protective caps and wrapped in black film. |

