

# Microduct Multi

## 12 x 7/4 mm + 1 x 14/10 mm

P/n: U011202010190

- 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	Single Duct Specifications 14/10	Multi Duct Specifications 12 x 7/4 + 1x14/10		
Outer Diameter :	7.0 mm Ø: -0.1 mm / +0.15 mm	14.0 mm Ø: -0.1 mm / +0.15 mm	30.0 x 37.0 mm		
Inner Diameter :	min 3.9 mm	min 9.9 mm			
Wall Thickness:	1.5 mm -0.1 mm / +0.1 mm	2.0 mm -0.1 mm / +0.1 mm	0.9 mm		
Ovality :	max 5%	max 5%			
Material	PE-HD	PE-HD			
Weight	0.025 kg/m	0.072 kg/m	0.480 kg/m		
Recommended Cable	1.0 – 2.5 mm	2.5 – 7.5 mm			
Bending Radius	70 mm	140 mm	600 mm		IEC 60794-5-10/IEC 60794-1-21-E11B
Tensile Strength	250 N	750 N			IEC 60794-5-10/IEC 60794-1-21-E1
Creep Rupture Strength	170 h / 80 °C / 4 N / mm <sup>2</sup> according to DIN 16874	170 h / 80 °C / 4 N / mm <sup>2</sup> according to DIN 16874			
Homogeneity	DIN 8075	DIN 8075			
Direct Buried	Yes	Yes			
Crush Performance	500 N	500 N	2000 N	IEC 60794-5-10/IEC 60794-1-21-E3	
Blowing Pressure	16 bar	16 bar			
Burst Pressure	min 40 bar at 20°C	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 – U011202010190 – SNBR01 – UCS 12x7/4 + 1x14/10 – 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/cm <sup>3</sup> 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.

