



Duct bundles 10/8 mm

Duct bundles with main duct 10/8 mm.

Features

- Ultraviolet resistance min. three years in Central European climate (EN ISO 4892-2)
- Outdoor storage extended by one year with white UV protective foil
- Different sheath colour possible for improved differentiation in the trench
- Clear allocation of the internal PE-HD microducts using different colour combinations and corresponding duct numbers
- Closed drum flange for avoiding damage to duct bundle
- Fulfilment of the specifications of large telecommunication companies like Deutsche Telekom and Vodafone

Application

The duct bundles consist of several individual ducts, that allow nanocables or microcables to be blown in. Suitable for direct burial or installation in a protective duct. In combination with the Hexatronic Viper and Raptor cable systems, the microducts are optimized and tested for best blowing performance.

Design

The duct assemblies are available in several configurations from 2 to 12 microducts. The duct bundles have an outer sheath that can be easily opened for easy installation when branching off individual microducts.

Product Information

- Material of Sheath: PP, wall thickness: 0.5 mm
- Material of ducts: HDPE

No bonding of the individual ducts to the sheath

Technical Information

Product Color	The standard sheath colour is black. Other sheath colours are available upon request. The microducts are translucent with single-extruded, opposite colour stripes.
Color Code	DIN0888
Temperature, Operation [°C]	-40 to +60
Temperature, Storage [°C]	-20 to +60
Temperature, Installation [°C]	-20 to +50

Conformance

The individual ducts meet the following requirements:

- Material: PE-HD according to DIN 16874
- Tolerances: Outer diameter: + 0.1 mm / Wall thickness: + 0.1 mm
- Creep rupture test according to DIN EN ISO 1167: 170 h / 80°C / 4 MPa
- UV resistance min. 3 years Central European climate according to EN ISO 4892-2
- Ducts tested according to IEC 60794-1-2
- Peak compressive strength: > 500 N
- Burst pressure > 40 bar
- Abrasion: IEC 60794-1-2-E2B(1)
- Bending radius: IEC 60794-1-2-E10, 20 x outer diameter
- Impact strength: IEC 60794-1-2-E4
- Compressive strength: IEC 60794-1-2-E3
- Tensile strength: IEC 60794-1-2-E
- Flexural strength: IEC 60794-1-2-E11A
- Torsion: IEC 60794-1-2-E
- Repeated bending: IEC 60794-1-2-E8
- Internal clearance: IEC 60794-5-20, IEC 60794-5-10, Ann. D

Marking

The marking of the microduct bundles is done by permanent ink-jet printing at 1 m intervals with the following information:

- Manufacturer and product name
- Dimension
- Date of manufacture
- Shift
- Machine
- Meter number

Signing example bundle sheath:

HEXATRONIC HexaSpeed 12x10x1,0 "DD.MM.YYYY" "S" "M"
"000m"

The marking of the single ducts in the bundle is done by permanent ink-jet printing at 1 m intervals with the following information:

- Manufacturer and product name
- Material
- Dimension
- Date of manufacture
- Shift
- Machine
- Meter number
- Additional duct number marking of the individual ducts at intervals of 10 cm

Signing example single duct:

HEXATRONIC HexaSpeed PE-HD 10x1,0 "DD.MM.YYYY" "S"
"M" "000m" ----"1"----"1"----

Ordering Information

Delivery lengths according to the product specification or according to customer requirements.

Drum specifications (Diameter [mm] x Width [mm] x Core [mm] x Empty weight [kg]):

- Drum A: 2000 x 1088 x 1250 x 170
- Drum B: 2250 x 1088 x 1250 x 190
- Drum C: 2400 x 1220 x 1250 x 265
- Axle hole diameter in the core (all drum types): 90 mm
- Closed drum flange: Ducts cannot be damaged/squashed by edge flange
- Duct bundles sealed on both ends
- The duct bundle drum is delivered on special drum support frame: Roll-away protection during transport and on the construction site; Forklift forks can be inserted under the support frame on both sides, without damaging the first layer of duct bundles (flexibility during transport)
- The duct bundle drum is delivered with white UV protection film and sheath colour identification: Full UV protection (3 years) guaranteed for the ducts starting from removal of the film; Outdoor storage extended (+1 year) until the installation starts; The colour of the duct bundle sheath is printed on the article label

Articles 3

Article name	Color	Layout	Tensile Force, Installation [N]	Dimensions [mm]	Weight [kg/km]	Length [m]
Microduct Assembly 2x10/8 MPB41200/02.JJABF	Black	2x10/8	900	21.0 × 11.0	90	1200
Microduct Assembly 4x10/8 MPB41200/04.JJABA	Black	4x10/8	1600	21.0 × 21.0	155	3000
Microduct Assembly 7x10/8 MPB41200/07.JJABA	Black	7x10/8	2500	31.0 × 28.3	255	1500