



Duct bundles 10/6 mm

Direct burial duct bundles with main duct 10/6 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 Cable systems, the microducts are optimized and tested for best blowing performance.

Design

The duct assemblies are available in several configurations from 2 to 24 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: > 2000 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 12x10x2,0 "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 10x2,0 "DD.MM.YYYY" "S"
"M" "000m" ----"1"----"1"----

Ordering Information

Delivery lengths according to article overview or customer request.

Drum properties (diameter [mm] x width [mm] x core [mm] / empty weight [kg]):

- Drum A: 2000 x 1088 x 1250 / 170
- Drum B: 2250 x 1088 x 1250 / 190
- Drum C/D: 2400 x 1220 x 1250 / 265
- Drum E: 700 x 464 x 364 / 13
- Drum F: 1200 x 464 x 370 / 20

Info: the last letter of the article number stands for the drum (see article overview)

- Diameter of axle bore in core (all reel types): 90 mm
- Closed drum flange: pipes cannot be damaged/crushed by edge flange
- Duct bundles closed on both sides ex works
- Delivery of the duct bundle drum with white UV protection foil and marking of the jacket color: Guaranteed full UV protection (3 years) of the ducts from removal of the foil; extension of the outdoor storage period (+1 year) until the start of laying; jacket color of the duct composite is printed on article label

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Article name	Color	Layout	Tensile Force, Installation [N]	Dimensions [mm]	Weight [kg/km]	Length [m]
Microduct Assembly 2x10/6 MPB42200/02JJABF	Black	2x10/6	1300	21.0 × 11.2	125	1200
Microduct Assembly 2x10/6 MPB42200/02JJABE	Black	2x10/6	1300	21.0 × 11.2	125	250
Microduct Assembly 3x10/6 MPB42200/03JJABA	Black	3x10/6	1800	21.0 × 20.0	335	4000
Microduct Assembly 6x10/6 MPB42200/06JJABA	Black	6x10/6	3600	36.0 × 19.7	335	1950
Microduct Assembly 7x10/6 MPB42200/07JJABA	Black	7x10/6	4000	31.0 × 28.3	390	1500
Microduct Assembly 8x10/6 MPB42200/08JJABA	Black	8x10/6	4700	46.0 × 19.7	440	1500
Microduct Assembly 12x10/6 MPB42200/12JJABA	Black	12x10/6	6800	41.0 × 37.0	640	950
Microduct Assembly 18x10/6 MPB42200/18JJABA	Black	18x10/6	10000	51.0 × 45.6	945	600
Microduct Assembly 19x10/6 MPB42200/19JJABA	Black	19x10/6	10200	51.0 × 45.6	990	600
Microduct Assembly 24x10/6 MPB42200/24JJABA	Black	24x10/6	13200	61.0 × 45.6	1235	500
Microduct Assembly 8x10/6 + 1x16/12 MPB47200/09JJABA	Black	8x10/6 + 1x16/12	5500	37.0 × 37.0	520	1000
Microduct Assembly 12x10/6 + 1x14/10 MPB47200/13JJABA	Black	12x10/6 + 1x14/10	7400	54.5 × 32.8	710	800
Microduct Assembly 12x10/6 + 1x16/12 MPB47201/13JJABA	Black	12x10/6 + 1x16/12	7800	49.2 × 37.0	735	800
Microduct Assembly 21x10/6 + 1x16/12 MPB47200/22JJABA	Black	21x10/6 + 1x16/12	12600	58.1 × 56.5	1185	400