

Bundles of thick-walled microducts 14 mm

Duct systems outside plant EaseNetXS

Application

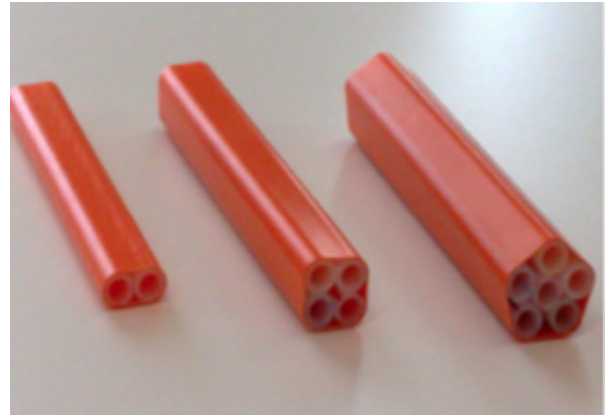
The bundles of "self protecting" HDPE thick-walled 14 mm microducts are used in OSP networks in the feeder part network.

Features

- Superior characteristics for jetting cables in microducts, high pressure resistance
- Jetting parameters stable for > 15 years
- Robust, high crush resistance

Materials

Special grade plastic, having low friction coefficient for UV Stabilized is more resistant to ultraviolet radiation, storability is prolonged to 12 months at outdoor conditions microduct and sheath are stabilized.



Types

Diameter bundle	Colour bundle	Nominal Sheath Thickness	Microduct			Ordering code
			Number	Dimensions	Standard Length	
29.5 x 15.5 mm	Orange	0.6 mm	2	14.0 / 10 mm	1400 m	1025402
35 mm	Orange	0.5 mm	4	14.0 / 10 mm	700 m	
44 mm	Orange	0.6 mm	6	14.0 / 10 mm	700 m	1025404
44 mm	Orange	0.6 mm	7	14.0 / 10 mm	700 m	1025403

Colouring

Microduct no.	1	2	3	4	5	6	7
Microduct identification	red	white	yellow	blue	green	violet	brown

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Mechanical characteristics (Microducts)

Bending radius	At installation:	≥ 20 x O.D.
	Installed:	≥ 20 x O.D.
Inner diameter	≥ 9.8 mm	
Outer diameter	14 mm: -0.0mm / + 0.1 mm	
Tensile strength	Microduct: ≥ 500 N @ minimum 85% of I.D.	
Crush resistance	≥ 1000 N / 10 cm @ minimum 85% of I.D., 60 sec	
Hydrostatic test	> 16 bar	
Temperature range	Transport and storage:	-10°C t. +50°C
	Installation	-10°C t. +50°C
	Operation (blowing):	-20°C t. +60°C
Blowing	In 1 time blowing in a 96 Optical fiber cable with a distance > 1200m	

Mechanical characteristics (Bundles)

Bending radius	At installation:	≥ 20 x O.D.
	Installed:	≥ 20 x O.D.
Tensile strength	2-fold microduct:	≥ 1000 N @ minimum 85% of I.D.
	4-fold microduct:	≥ 1500 N @ minimum 85% of I.D.
	6-fold microduct:	≥ 2000 N @ minimum 85% of I.D.
	7-fold microduct:	≥ 2200 N @ minimum 85% of I.D.
Crush resistance	All configurations ≥ 1000 N / 10 cm @ minimum 95% of I.D., 60 sec	
Temperature range	Transport and storage:	-10°C t. +50°C
	Installation	-10°C t. +50°C
	Operation (blowing):	-20°C t. +60°C

Marking

Sheath	Is marked at intervals of 1 metres with: ReggefiberFtth "phone number" Buiskabel "no. of microducts" x14/10 mm DB Draka EASEnet^{XS} "Batchcode nr." "length marking" m
Tensile strength	Is marked at intervals of 1 metre with: 14/10 mm DB Draka EASEnet^{XS} "batchcode no." "length marking" m

Packing

Length tolerance	+/- 1%
Drum size flange / width / core	1800 / 1000 / 1000 mm
Sealing of duct ends	End caps

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