

Direct Buried, double sheath MT-DBP.

Prefabricated double sheath direct buried MT-DBP pipes of Fibrain Metrojet system are microducts bundles surrounded by double sheath of polyethylene and polypropylene (PE/PP). Thanks to such construction and external sheath made of polypropylene that has higher stiffness and crush resistance MT-DBP are ideal solution for direct buried usage.

Dense construction and stiff double sheath provides huge crush resistance from 750 N even up to 3,5 kN at very high permissible installation force. These parameters allow to use pipes in all direct buried installations without necessity of additional protection pipes use. Moreover installation can be made with use of mechanical methods including plow layer.

They include up to dozen or so of standard microducts configurations of different. Suitable production process provides tight configuration of microducts bundle inside pipe that eliminates so called "spaghetti effect" (that is spontaneous microducts twisting inside pipe) while microducts can be moved along pipe sheath. This ability removes problem of microducts crushing at internal arc side of pipe (so called PI effect) that is characteristic for pipes of lower quality where during production process of second sheath occurring heat causes gluing microducts to internal pipe layer.

Additionally in case of FIBRAIN pipes thanks to application of two different kinds of pipe's wall materials (of two colours) it is easy to divide them with use of dedicated installation tools (no gluing of layers).

Choice of appropriate configuration depends on place in fiber optic network (frame pipes, distribution pipes or access pipes). Configurations made of frame pipes (from 10 to 14 mm) are cost efficient alternative for multihole cable ducts introducing major capital expenditure savings and thanks to decrease of diameter savings on maintenance expenditure for land lease.

Types:

- equipped with microducts 4/3 (on demand); 5/3,5; 7/5,5; 10/8; 12/10; 15/12,
- double wall pipe made of polyethylene and polypropylene (PE/PP) of thickness 2,7 - 6,0 mm depending on pipe type,
- possible hybrid construction with different types of microducts within single bundle.

Features:

- direct buried prefabricated wall pipes double PE/PP,
- for construction of main networks and urban rings, CCTV monitoring,
- assign to be direct buried,
- micropipes < 5 mm with antistatic layer other diameters as an option on demand.



Applications:

- CCTV monitoring systems,
- microcanalization for FTTH networks,
- for construction of main networks and urban rings.

Prefabricated pipes - buried

Micropipes arrangement [mm]		External pipe diameter [mm]	Symbol (P/N)
Qty	Type		
3 x	4/3	13	MT-DBP-0403xx-ASOH
7 x	4/3	16,4	MT-DBP-0407xx-ASOH
13 x	4/3 + 1x14/12	26	MT-DBP-0419xx-ASOH
24 x	4/3 + 1x8/6	30,4	MT-DBP-0424xx-ASOH
3 x	5/3,5	16,6	MT-DBP-0503xx-ASOH
7 x	5/3,5	22,2	MT-DBP-0507xx-ASOH
13 x	5/3,5+1x16/14	33	MT-DBP-0513xx-ASOH
19 x	5/3,5	33,4	MT-DBP-0519xx-ASOH
18 x	5/3,5+3x10/8	42,0	MT-DBP-0518xx-ASOH
24 x	5/3,5+1x10/8	38,4	MT-DBP-0524xx-ASOH
3 x	7/5,5	20,5	MT-DBP-0703xx-LROH
7 x	7/5,5	28	MT-DBP-0707xx-LROH
13 x	7/5,5	39,9	MT-DBP-0713xx-LROH
19 x	7/5,5	43	MT-DBP-0719xx-LROH
3 x	10/8	27,4	MT-DBP-1003xx-LROH
7 x	10/8	38,4	MT-DBP-1007xx-LROH
13 x	10/8	57	MT-DBP-1013xx-LROH
3 x	12/10	32,3	MT-DBP-1203xx-LROH
7 x	12/10	44,4	MT-DBP-1207xx-LROH
3 x	15/12	32,3	MT-DBP-1503xx-LROH
7 x	15/12	44,4	MT-DBP-1507xx-LROH



MT-DBP	-	10	07	38	-	L	R	0	H
		Micropipe type: 05 - 5/3,5 mm, 07 - 7/5,5 mm, 10 - 10/8 mm, 12 - 12/10 mm, 14 - 14/12 mm,	Micropipe number: 3... 7, 9, 13, 21	Internal layer: 13 -13 mm itp.	Internal wall type: A - sliding, antistatic, L - sliding		Internal wall type: S - smooth R - grooved	0 - without rope R - wit rope	Material: H - HDPE F - LSOH

MT-DBP-100738-LROH

Example: MetroJET direct prefabricated pipe type double sheath PE/PP.