



Product Specification: Thick Walled Duct Assemblies 7/3.5mm



Product description

The duct assemblies are available in versions with 4 to 24 PE sub-ducts (4, 12 and 24 sub-duct options). Each micro duct has an outer/inner diameter of 7/3.5 mm.

The duct assemblies are bundled with a single HDPE sheath. The design makes the duct assemblies suitable for installation directly into the ground without any extra protection or into existing pipes.

Appropriate fibre types

The micro-ducts are optimized for best performance in combination with the Hexatronic Ribbonet® Air Blown Fiber units. The 7/3.5 mm assemblies will accommodate ABFUs 2F, 4F, 6F, 8F and 12F and Hexatronic Raptor Nano cables 2F, 4F, 6F, 8F, 12F and 24F.

Marking and Sheath Colour

The assemblies are marked with; micro-duct configuration, Hexatronic, time of manufacturing (year, month, date and hour), product number, arrow marking and length marking. The distance between markings is nominal 1 m.

Marking example: **7x7/3.5MM HEXATRONIC A35 yymmddtt MPB30272/7 -> xxxxx M**

The individual micro-ducts are numbered and identified by their color and position in the bundle. The sheath is available in green, orange, red, blue or violet.

Ordering Information

Type	Product number	Diameter outer sheath (mm)	Trace wire	Weight (g/m)	Min. bend radius *	Max. pulling force (N) **	Delivery length
4x7/3.5mm	MPB30278/4	16	No	175	320	2100	1000m
4x7/3.5mm	MPB30286/4	16	Yes	178	320	2100	1000m
12x7/3.5mm	MPB30278/12	30x27.3	No	455	600	4900	1000m
12x7/3.5mm	MPB30286/12	30x27.3	Yes	458	600	4900	1000m
24x7/3.5mm+1x14/10mm	MPB30279/25	46	No	652	920	6520	1000m
24x7/3.5mm+1x14/10mm	MPB30287/25	46	Yes	655	920	6520	1000m

* Temporarily, unloaded, permanent (one turn) and during installation. The radius relates to tube capability and does not indicate a suitable radius for blowing

** During installation



Typical Data

Temperature range
Operation..... -40 to +60°C
Storage -40 to +60°C
Installation -20 to +50°C

Material

Microducts..... HDPE
Sheath HDPE
All materials are halogen-free

Tracer

The assemblies are available with or without a trace wire

Delivery Information

Supplied lengths..... 1000 m

Conformance

AbrasionIEC 60794-1-2-E2B method 1
Kink.....IEC 60794-1-2-E10, 20 x outer diameter
ImpactIEC 60794-1-2-E4
Crush.....IEC 60794-1-2-E3, 450 N
Tensile IEC 60794-1-2-E1
BendIEC 60794-1-2-E11
Torsion..... IEC 60794-1-2-E7
Flexibility..... IEC 60794-5-20
Inner ClearanceIEC 60794-5-20, IEC 60794-5-10, Ann. D

An Example of Duct Numbering

