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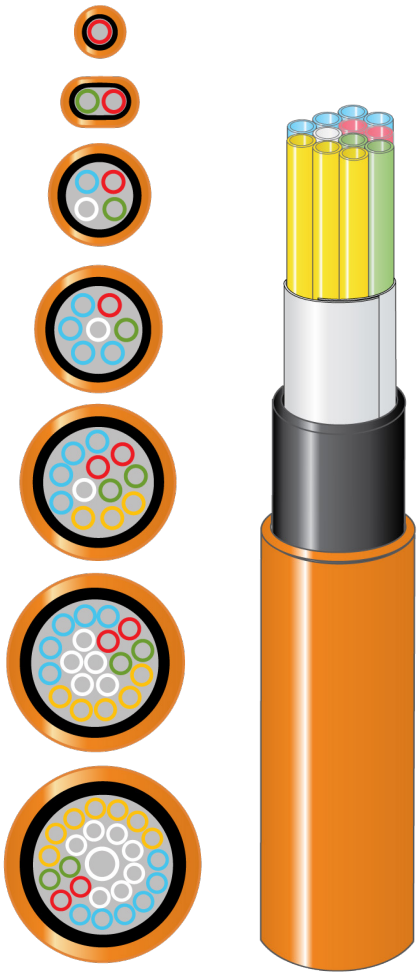
Direct Bury Duct Assemblies, MPB 302 3+

Ribbonet Microducts



Features

- Heavy-duty design
- 1, 2, 4, 7,12,19 and 24 sub-duct options
- Low friction inner surface for maximum installation lengths
- Excellent environmental properties

Application
The tight protected duct assemblies consist of a number of microducts with an inner low friction, antistatic surface that enables installation of air-blown fiber.

The duct assemblies are bundled with dual sheath and a moisture barrier made of aluminum. The design makes the ducts suitable for installation directly into the ground in environments where the duct is constantly exposed to water or for areas with ground frost. The round structure enables easy splicing and sealing at joints and branch locations. The microducts are optimized for best performance in combination with the Ericsson Ribbonet® Enhanced Performance Fiber Unit (EPFU).

Design
The duct assemblies are available in seven versions with 1 to 24 sub-ducts. Each microduct has an outer/inner diameter of 5/3.5 mm.

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Marking
Duct assemblies have markings showing the tube length. The individual microducts are numbered and also identified by their color and position in the bundle.

Temperature range
Operation..... –40 to +60ºC
Storage..... –40 to +60ºC
Installation ..... –20 to +50ºC

Material
Micro ducts and outer sheath: HDPE
Inner sheath: LLDPE
All materials are halogen-free

Conformance

Abrasion .....IEC 60794-1-2-E2B method 1
Kink .....IEC 60794-1-2-E10, 20 x outer diameter
Impact.....IEC 60794-1-2-E4
Crush.....IEC 60794-1-2-E3, 450 N
Tensile.....IEC 60794-1-2-E1
Bend .....IEC 60794-1-2-E11
Torsion.....IEC 60794-1-2-E7
Flexibility.....IEC 60794-1-2-E8

Delivery information
Supplied lengths 500, 1000, 2000, 4000* m
* 24-way assembly, max 2000m

Ordering information

Type	Product Number	Diameter Outer Sheath (mm)	Weight (g/m)	Min bend radius* (mm)	Max pulling force** (N)	Microduct Colors
1-way	MPB 302 30/1	12.2	110	120	200	Red
2-way	MPB 302 31/2	17.2x12.2	160	170	300	Red, Green
4-way	MPB 302 32/4	19.3	230	190	600	Red, Green, Blue White
7-way	MPB 302 33/7	22.2	290	220	1000	Red, Green, Blue White
12-way	MPB 302 34/12	28.8	380	290	1800	Red, Green, Blue White
19-way	MPB 302 35/19	32.1	550	320	2800	Red, Green, Blue White
24-way	MPB 302 36/24	38.0	710	380	3600	Red, Green, Blue White

* Temporarily, unloaded, permanent (one turn) and during installation
** During installation

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