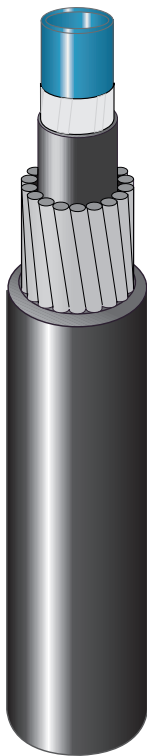


Underwater Armored Microduct – MPB 30217

Armored 12/10 or 20/16 mm



Features

- For lakes and rivers
- Water depth down to 50 m
- Compact design, down to 22.5 mm in diameter
- Microduct OD/ID: 12/10 mm or 20/16 mm options
- Steel wire reinforcement
- Water blocking Al-foil

Application

The underwater microduct is a single armored duct for shallow submarine installations. It is designed to be used with Hexatronic Micro Cables and can easily be connected to land based microducts with microduct connectors or adapters. The microduct is suitable for lakes and river crossings in all types of fiber access networks.

This underwater microduct is based on a 12/10 or 20/16 mm PE microduct protected by an aluminum foil and a polyethylene sheath. Outside the sheath there is a layer of galvanized steel wires covered with a heavy-duty layer of HDPE polymer.

The steel wire reinforcement provides reliable mechanical protection, enabling installation and operation during rough conditions.



Typical Data

Temperature range
 Operation -30 till +60°C
 Storage -40 till +70°C
 Installation -15 till +40°C

Maximum water depth
 50 m

Duct bend radius
 Permanent and during installation
 ≥ 400 mm

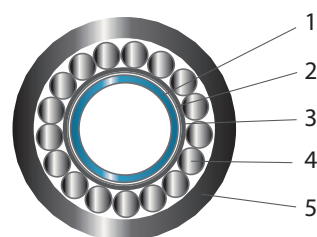
Tensile force
 12/10
 Permanent 10 kN
 During installation 15 kN
 20/16
 Permanent 20 kN
 During installation 30 kN

Color coding
 Microduct is colored blue (12/10 mm) or black with blue stripes (20/16 mm)

Delivery Information
 Max continuous length 2 km

Design

1. Microduct Polyethylene
2. Wrapping Plastic Al-foil
3. Sheath Polyethylene, black
4. Armoring Galvanized steel wires
5. Sheath Polyethylene, black



Principle drawing

Ordering Information

Product Number	Microduct dimension (OD/ID, mm)	Diameter (mm)	Weight (kg/km)	Weight in water (kg/km)
MPB30217/020	12/10	22.5	900	500
MPB30217/026	20/16	30.5	1400	650