

Technical data sheet

version 12-2020

Order code: **OD-DI-03-21-XX**

Product characteristics:



The microduct 3/2.1 mm are used in the laying of fibre optic cables for the construction of fibre-to-the-X (FTTx) access networks. The DI 3/2.1 mm microduct are designed for installation in existing empty or partially occupied protective conduits in buildings.

The microduct are made of high density polyethylene (HDPE). They are coextruded with an inner slip layer on Teflon-based.

Legislation

In accordance with Act No. 356/2003 Coll., the microduct do not contain hazardous substances or preparations and comply with the requirements of Directive 2002/95/EC (RoHS) on the content of lead, cadmium, mercury, chromium, PBB and PBDE. The manufacturer of the tubes confirms that the above product is manufactured in accordance with the principles of EN ISO 9001.

Product parameters

The parameters of the microtube are given in the relevant Technical Specification of the product TP-110-15.

Parameters	Value
Outside diameter	3 ± 0,1 mm
Inside diameter	min. 2,1 mm
Wall thickness	min. 0,35 mm
Weight*	3,6 g/m
Temperature range for transport and storage	-40°C až +70°C
Installation temperature range	-10°C až +50°C
Outdoor exposure in Central European conditions	Max. 12 měsíců

*informative value

The minimum bending radius of the microtube is equal to ten times the diameter, i.e. 40 mm.



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Color design:

The colours of the microduct can be either natural or solid colours in the following colour shades (approximately RAL): RD - red GN - green BU - blue YE - yellow WH - white GY - grey BN – brown VT - violet TU - turquoise BK - black OR - orange PK - pink NT - natural

XX – according to customer specification

The code XX should always be replaced by one of the colour codes in the order..

1 RED	2 GREEN	3 Blue	4 YELLOW	5 WHITE	6 GREY
RAL 3020	RAL 6018	RAL 5015	RAL 1018	RAL 9016	RAL 7045
7 BROWN	8 VIOLET	9 Turquoise	10 Black	11 ORANGE	12 PINK
RAL 8024	RAL 4005	RAL 6034	RAL 9004	RAL 2003	RAL 3015

Marking:

Microduct are marked with print:

material*dimension*metrage* OPTRO-DUCT e.g.: HDPE 3/2,1 mm 4500m OPTRO-DUCT
The description is repeated every one metre.

Packing:

The microduct are wound in an uninterrupted length on a suitable chipboard/wood drum.
The winding is protected by foil. The drum must be protected from moisture during transport and storage.

Drum	Diameter of drum mm	Width of drum mm	Hole for shaft mm	Winding length m	Total weight (informative) kg
B400	400	396	56	4500	16,2