

MT DUCT 25/21 HDPE

version 07-2011

DESCRIPTION, APPLICATION

Duct is intended for protection of optical cables. Structural part (1) is made from virgin high density polyethylene (HDPE) and grind of HDPE. Inner surface (2) is made from permanent sliding material Silicore™ with a very low coefficient of friction and standardly is smooth. Outer duct's surface is smooth. Duct is not designed for permanent inner pressure.



Wall thickness and material classify the duct as a Direct Burial (DB). Installation methods and conditions are described in the Installation manual.

LEGISLATION

The quality management system is certified acc. to EN ISO 9001. Duct meets requirements VI of the Directive 2002/95/EC (RoHS) – content of lead, cadmium, mercury, Cr^{VI}, PBB and PBDE.

PARAMETERS

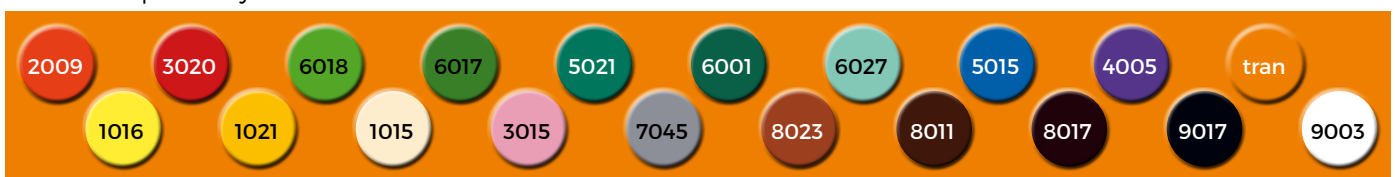
The details to parameters are in company standard CWS 100-2003.

Parameter	Value	Standard, conditions
Outer diameter (OD)	25±0,3 mm	CWS 100-2003
Wall thickness (WT)	min. 2,0 mm	CWS 100-2003
Ovality	max. 5 %	CWS 100-2003, from drum
Inner coefficient of friction	max. 0,1	CWS 100-2003
Visual examination	free from defects	CWS 100-2003
Crush resistance	min. 1500 kPa	CWS 100-2003, inner diameter deformation by 15 %
Impact strength	no cracks	CWS 100-2003, impact energy 132 J, -18 °C, 10 sampl.
Thermal expansion	*1,6·10 ⁻⁴ K ⁻¹	ISO 11359-2, temperature range from -20 °C to +70 °C
Longitudinal reversion	max. 3 %	ČSN EN ISO 2505, oven, 110 °C, 60 min.
Weight	*140 kg/km	-
Transport and storage temperatures	from -40 °C to +70 °C	-
Installation temperatures	from -10 °C to +50 °C	-
Operating temperatures	from -40 °C to +70 °C	-
Installation tensile force	max. 2500 N	-
Minimum bending radius	250 mm	-
Blowing pressure	max. 10 bar	max. 2 hours at max. +50 °C
Outdoor exposure limit	max. 12 months	Central Europe conditions

* informative value

COLOR LIST

Duct is supplied in natural white version or in a wide scale of the following RAL list. Longitudinal stripes with the same color are another possibility.



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MARKING

Duct is printed in whole length according to customer requirement. Printing color is contrasting to duct color. Printing can be doubled in opposite sides as an option. Printing scheme is repeating after 1 metre.

Example of printing scheme:

MT DUCT DB 25/21 mm SILICORE 03/2009 LOT No 12345678 0000 m >|<

PACKING AND STORAGE

Duct is wound on return wooden drum and coil is wrapped by stretch film. Duct's ends are protected by plastic caps protecting them from impurities penetrating into duct.

DB1 core diameter is 950 mm.

All drum dimensions are informative values.

Other types of packing are on request.

Drum	Flange diameter (mm)	Drum width (mm)	Shaft hole diameter (mm)	Winding maximum length (m)	Informative weight of full drum (kg)
DB1	2250	1100	82	4000	950

