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TECHNICAL DATA SHEET

EVODUCT GROOVE

Optical cable conduits with ribbed inner surface

Conformity:
EN 50626-2



Nominal ring stiffness:
SN16
Impact resistance:
N (normal)

Open product

PRODUCT DESCRIPTION

High-strength EVODUCT GROOVE protective ducts for fiber optic cables provide long-term protection for installed cables. The outer surface of the ducts is smooth, while the inner surface is ribbed, reducing friction and facilitating cable installation over longer distances. As standard, the protection conduits are available in black and orange, with four single or double longitudinal white stripes spaced at 90° intervals along the entire length. The protection conduits are provided with white thermal marking at 1m intervals.
Material: HDPE (high-density polyethylene); impact resistance class: N; temperature resistance: from –40°C to +95 °C.

APPLICATION AREA

When constructing duct systems for optical fibre and communication cables, EVODUCT GROOVE protection conduits provide an optimal solution for ensuring long-term cable protection. The protection conduits are designed for installation in soil, concrete and water. They are intended for the installation of optical fibre communication cables and other cables using conventional installation methods, including pulling-in with a draw rope or pneumatic cable blowing.

PRODUCT DIMENSIONS

Nominal diameter, mm	EVODUCT GROOVE			
	Pipe wall thickness according to SDR, mm			Length, m
	17	13.6	11	
25	-	-	2.3	1000
32	-	-	2.9	1000
40	-	3.0	3.7	1000
50	-	-	4.6	500
63	-	-	5.8	600

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PRODUCT PARAMETERS

Parameters	Characteristics	Compliance with standards
Material	HDPE	
Temperature range, min/max, °C	–25 °C .. +90 °C	
Combustion	Combustible	EN 60695-11-2:2018
Impact resistance class	N (Normal)	EN 50626-2
Nominal ring stiffness class (SN)	SN16	EN ISO 9969:2016
Performance Time (PT)	PT 50	EN ISO 1167-1:2006 EN ISO 1167-2:2006
Short-term pressure resistance	2h/12bar	EN ISO 1167-1:2006 EN ISO 1167-2:2006
Performance at low temperatures	–10 °C	EN ISO 11173:2017
IP protection rating	IPX69*	EN 50626-2
Cable installation by blowing	Air pressure range: 0.8–1.2 MPa Air flow rate range: 10–12 m^3/min	

*6 - Protection against ingress of solid foreign objects
9 - Protection against ingress of water

EXAMPLE OF PIPE MARKING

Aspect	Marking
Compliance with the standard	EN 50626-2
Manufacturer	EVOPIPES
Product designation	EVODUCT
Pipe size, mm	40x3,0
Standard Dimension Ratio (SDR)	SDR 11
Polyethylene (PE) material classification	CO-EX HDPE
Performance Time (PT)	PT50
Impact resistance class	N
Nominal ring stiffness class (SN), kN/m^2	SN8
Date of manufacture	dd/mm/gg
Short-term pressure resistance test performed	2h/12bar