

EK459 VarioPipe

Optical fibre building cable & pipe entry system

The VarioPipe optical fibre building cable & pipe entry system was developed specifically for the insertion of micro-duct pipes into buildings and through building walls to connect subscribers to the optical fibre network. The building cable & pipe entry system can also be used with other media cables, such as copper telecommunication cables or oval cables, and is suitable for all common wall types, including waterproof concrete, bricks or hollow blocks. The foam-fill principle along the drill channel and the media cable guarantees absolute seal tightness.

Advantages

▲ Outstanding flexibility

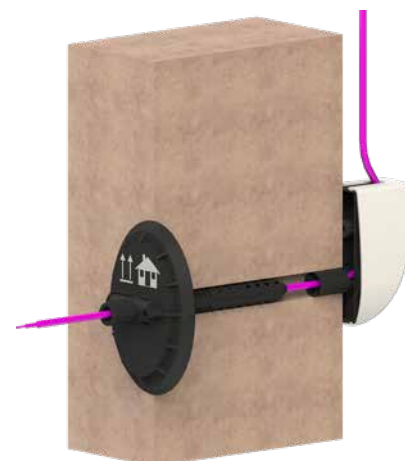
- Horizontal or inclined installation up to 45°(continuous)
- Quick and easy installation in just a few minutes
- Secure hold of the foam pipe in the hole thanks to clamping ribs
- Optimum distribution of the sealing foam in any situation
- Inexpensive installation thanks to minimal foundation pit at the external wall
- Suitable for all wall thicknesses from 200 mm
- Moulded dust protection cap for different diameters

▲ Maximum possible safety

- Meets the requirements of the new DIN 18533
- Reliable sealing through expanding 2-component resin
- Sealing prevents foam from escaping on inside of building
- Secure hold of the foam pipe in the hole thanks to clamping ribs
- Inner bend radius limit R60 (mm) with fastener for different diameters
- Gas- and water-pressure-tight up to 1 bar according to DIN 18533 W1.1-E, W1.2-E, W2.1-E
- Waterproof concrete stress class 1 (DAfStb 2017)
- Waterproof concrete stress class 2 (DAfStb 2017)

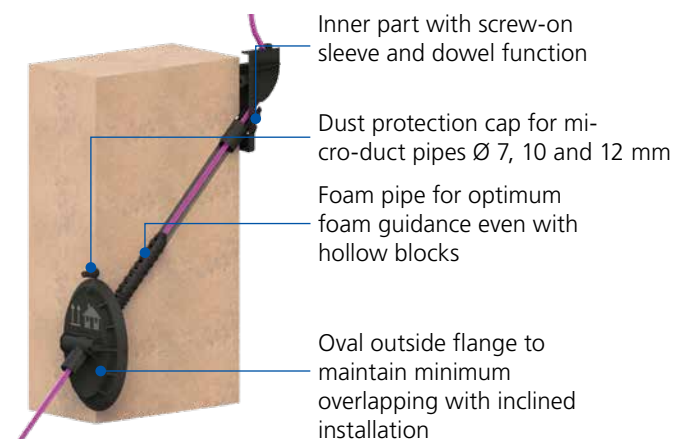
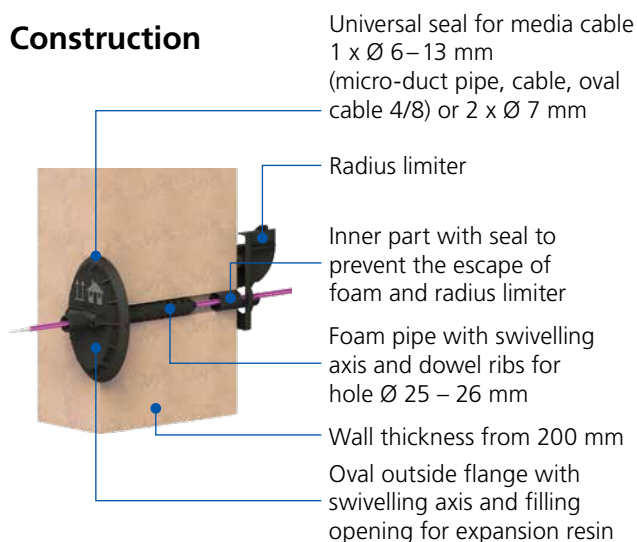


▲ Inclined installation



▲ Installed straight with cover

Construction



Overview of optical fibre building cable & pipe entry system

	VarioPipe optical fibre building cable & pipe entry system (with resin)	VarioPipe optical fibre building cable & pipe entry system (without resin)	Expanding 2-component resin for the VarioPipe optical fibre building cable & pipe entry system
Article number	094592001	094592003	700699560
Description	Each packaging unit contains 12 items including expanding 2-component resin	Each packaging unit contains 18 items without expanding 2-component resin	Packaging unit = 18 items

Technical data

Designation	EK459 – VarioPipe optical fibre building cable & pipe entry system
Weight per building cable & pipe entry system	approx. 150 g + 100 ml of expanding 2-component resin (in a cartridge)
Outside flange material dimensions	Polyethylene (PE) 173 x 125 x 30 mm
Foam pipe material Dimensions	Polyamide (PA) Ø 25 mm x 225 mm
Inner part material Dimensions	Acrylonitrile butadiene styrene (ABS) 131 x 50 x 60 mm
Seal Material Dimensions	Ø 6 – 13 mm Thermoplastic elastomer (TPE) Ø 28 mm x 26 mm
Seal Material Dimensions	2 x Ø 7 mm Polyethylene (PE) Ø 28 mm x 42 mm
Installation position	Up to 45° continuously
Media cable assignment	Ø 6–13 mm Alternatively 2x Ø 7 mm
Gas and pressurised water-tight	1 bar
Required wall thicknesses	≥ 200 mm
Storage and handling conditions	Dry, at + 5° C to + 40° C
Packaging unit	12 x
Packaging weight Dimensions	approx. 6 kg 590 x 240 x 270 mm

Accessories

Designation	Cover for EK459 VarioPipe optical fibre building cable & pipe entry system
Material	Polycarbonate (PC) with matt finish
Colour	RAL 9016 Traffic white
IK degree of shock resistance	IK 05
Article number	094592020/012
Packaging unit	12 x



▲ Cover for inner part



▲ Inner part