



#### Application

For the temporary sealing of micro duct bundles with up to 52mm outside diameter and short-term storage during installation and construction. Whole bundle of micro ducts is sealed cost-effectively in one operation. The patented\* sealing cap retains its full functionality for up to 5-times reuse, if it was properly cleaned and installed. Depending on the version, the sealing caps suit for micro duct bundles with or without a central micro duct. For fixation of sealing cap on bundle either the central micro duct or a micro duct in the middle of the bundle is used. For easy installation the sealing cap has a central thorn with self-tapping thread. For easy identification of size, the sealing caps are color coded. The temporary sealing caps are not qualified for long term underground storage. For this application permanent sealing caps are available.



#### Scope of delivery

Sealing cap, filled with sealing gasket, packed in card board box. Order quantity 50 piece in a box.

#### Capacity

Micro duct bundle type	Cap size/color Order No.	52-7 white 01-051-02 A	52-10 yellow 01-022-02 A	52-12 green 01-052-02 A	52-14 red 01-053-02 A	52-16 blue 01-054-02 A
Number micro ducts 7x 1.5mm <sup>2)</sup> no central micro duct		6/7/8/12/14/ 18/19/24	-	-	-	--
central micro duct 12x 2mm <sup>2)</sup>		-	-	7/22	-	-
central micro duct 14x 2mm <sup>2)</sup>		-	-	-	12/14/22/24	-
Number micro ducts 10x 2mm <sup>2)</sup> no central micro duct		-	2/3/4/5/6/7/8/ 9/10/11/12/24 <sup>1)</sup>	-	-	-
Number micro ducts 12x 2mm <sup>2)</sup> no central micro duct		-	-	4/5/6/7/8/ 10/12	-	-
Number micro ducts 14x 2mm <sup>2)</sup> no central micro duct		-	-	-	3/4/5/6/7	-
Number micro ducts 16x 2mm <sup>2)</sup> no central micro duct		-	-	-	-	3/4/5/6/7

<sup>1)</sup> Note for bundle 24x10: use 2 sealing caps of size 12x10

<sup>2)</sup> Tolerances shall apply for micro ducts according to DIN EN 50411-6-1 und DIN EN 60794-5-ff

\*Patented for Elitex GmbH, EP Patent No. 13153451.3

#### Tools

Before installation of a sealing cap, the micro duct bundle must be cut rectangular with suitable tools according to duct manufacture guideline. Cutting must not be made with chipping tools (i.e. saw).



### Important instructions

- Installation is displayed with sealing cap size 52-14. Instruction is valid also for all other sizes.
- Before starting installation, check if the end of the micro duct bundle is clean of dirt pollution.
- The end of micro duct bundle need a straight, vertical, clean cut with a tool recommended by duct manufacture. Cutting must not be made with chipping tools (i.e. saw).
- Due to diameter tolerances of the micro ducts, different force may appear for installing the sealing cap.
- The temporary sealing cap retains its full functionality for up to 5-times reuse, if it was properly cleaned and installed.

### 1. Selection of matching sealing cap

Please select sealing cap accordingly to your micro duct bundle. Description of cap size i.e. 52-14 indicates max outer diameter of bundle (52mm) and the size of center thorn (14mm) for fixation of the sealing cap at a central micro duct of 14x2mm. Sealing cap size 52-7x1.5, 52-10x2 and 52-16x2 are suitable for micro duct bundle without central micro duct. For fixation of those sealing cap on bundle use a micro duct in the middle of the bundle. Please also follow according notes in the installation instruction.



1.1 A temporary sealing cap should be used during transport or installation for micro duct bundles. For installation stretch about 1m of duct bundle.



1.2 For cutting end of micro duct bundle use a tool recommended by duct manufacture.

**Note:** Cutting must not be made with chipping tools (i.e. saw).



1.3 Cut end of micro duct bundle vertical and straight.

1.4 Take sealing cap out of cardboard box.



1.5 Position central thorn in front of central tube from micro duct bundle.

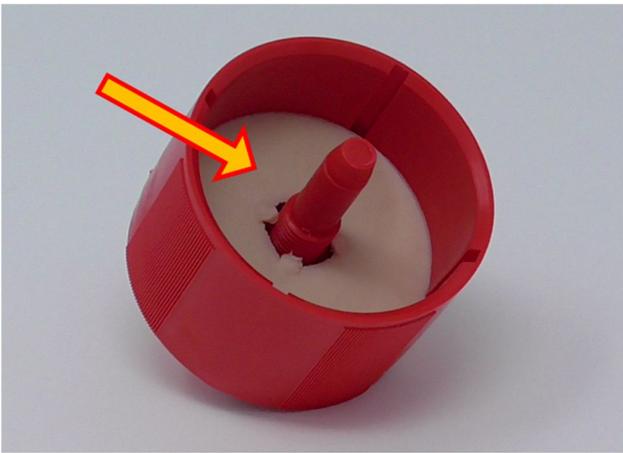
**Note:** In case of bundle without central micro duct, chose a micro duct which is in central position of bundle.



1.6 Press sealing cap on duct bundle and turn it clockwise all the way till stop (hand-tight).



1.7 Final installed sealing cap.



1.8 The temporary sealing cap retains its full functionality for up to 5-times reuse, if it was properly cleaned and installed. After up to 5 times the sealing gasket usually wears out (roughening) and should be replaced. Depending on quality of cut from bundle (sharp or blunt blade), wear out of sealing gasket can also occur sooner or later.

## 2. Removal of sealing cap



Turn sealing cap of buy turning it counter clockwise.

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### Elitex GmbH

Justus-von-Liebig-Straße 13

D-85247 Schwabhausen

Mail: [office@elitex-gmbh.de](mailto:office@elitex-gmbh.de)

[www.elitex-gmbh.de](http://www.elitex-gmbh.de)

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