



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 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.



Technical Data:

Attribute	Value
Application	Short-term storage during installation and construction; not for storage underground
Temperature range	Operating: -40°C to +60°C Storage: -40°C to +60°C Installation: +5°C to +60°C
Sealing performance	Dust and liquid media, according to protection code IP68 ¹⁾ continuous immersion in water for 15 days
Sealing internal pressure	0.5 bar short-term
Size	Ø 58mm, length 55mm, with central thorn 65mm
Weight	70-75g
Cap material	Cap shell made from impact resistant POM, UV- and weatherproof, color code see table
Sealing material	Sealing compound made from thermoplastic elastomer (TPE), color nature
Recycling	All used materials are recyclable

Listed values apply for properly installed product according to installation instruction (90° cut with micro duct cutting tool).

¹⁾ Tightness of IP68 retain up to 5-times skilled installation with same sealing cap according to installation instructions.

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 ³⁾ no central micro duct		6/7/8/12/14/18/19/24	-	-	-	--
central micro duct 12x 2mm ³⁾		-	-	7/22	-	-
central micro duct 14x 2mm ³⁾		-	-	-	12/14/22/24	-
Number micro ducts 10x 2mm ³⁾ no central micro duct		-	2/3/4/5/6/7/8/9/10/11/12/24 ²⁾	-	-	-
Number micro ducts 12x 2mm ³⁾ no central micro duct		-	-	4/5/6/7/8/10/12	-	-
Number micro ducts 14x 2mm ³⁾ no central micro duct		-	-	-	3/4/5/6/7	-
Number micro ducts 16x 2mm ³⁾ no central micro duct		-	-	-	-	3/4/5/6/7

²⁾ Note for bundle 24x10: use 2 sealing caps of size 12x10

³⁾ 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 Nr. 13153451.3

Product description temporary sealing caps

Most frequent application of temporary sealing caps is for short-term storage during installation and construction of micro duct bundle above ground. It is of crucial importance to seal open end of micro ducts during any phase of installation and storage. Often used makeshift such as tapes or shrink caps are here unsuitable materials, because they neither tightly can close the micro duct bundle, nor are sustainable. Our permanent sealing caps prevent the ingress of water and dirt of any kind. The integrated sealing gasket seals the micro ducts when you turn on the cap onto the bundle. All micro ducts are sealed thus jointly and cost-effectively in one operation. The sealing cap retains its full functionality for up to 5-times reuse, if it was properly cleaned and installed.

If network construction should be continued further at a later date, the permanent sealing cap will be removed by just turning it off like a screw. For easy identification of size, the sealing caps are color coded. For application of long term sealing and storage underground, also permanent sealing caps are available. Temporary sealing caps from Elitex are available for most common micro duct bundles with or without central duct. The product has been proven thousand and on times for safe sealing and fast application.



Selection of matching sealing cap

Please select sealing cap accordingly to your micro duct bundle. Description of cap size i.e. 52-12 or 52-14 indicates max outer diameter of bundle (52mm) and the size of center thorn (12 or 14mm) for fixation of the sealing cap at a central micro duct of 12/2mm or 14/2mm. Sealing cap size 52-7, 52-10 and 52-16 are suitable for micro duct bundle without central micro duct. For fixation of sealing cap on bundle use a micro duct in the middle of the bundle. Please also follow according notes in the installation instruction.



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).



Please visit our webpage www.elitex-gmbh.de/abdichtkappen/ for further information about our sealing caps, like instructions, videos and tender text.

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