

## 1. Intended use / product description



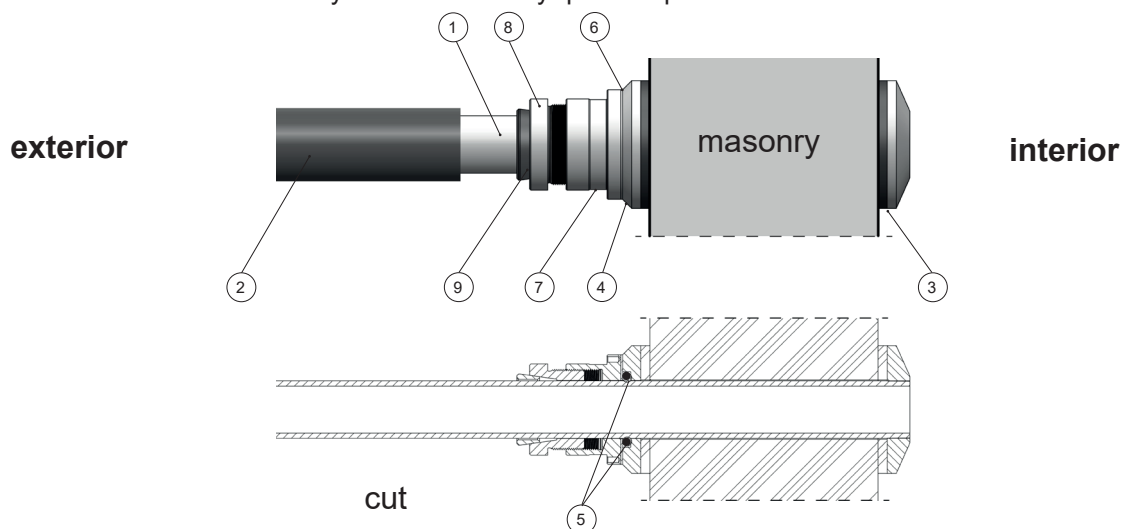
**Medium:** cable  
**Material:** see table

The plastic cable entry fitting with a clamping range of 0 to 400 mm (order no. 684 406 3000) or 0 to 600 mm (order no. 684 406 3010) is used as a wall entry system for inserting cables (Ø 24 - 45 mm) from the outside of the building to the inside of the building in concrete walls with a wall width up to 400 or 600 mm.

For installation of the entry fitting a core hole of 65 to 70 mm has to be prepared by the customer.

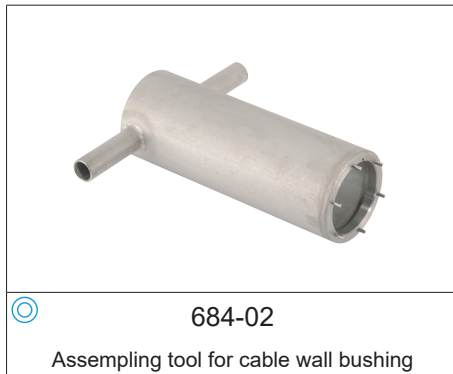
Other than entry fittings for installation with cement grouting this system does not require any grouting between the quick installation entry fitting and the wall (core hole).

When laying, installing and during maintenance, it is necessary to refer to and comply with applicable standards and regulations, accident prevention regulations and regulations from trade associations. Installation, assembly and maintenance should only be carried out by qualified personnel.




Pos.	quantity	description	Material
1	1	PP-pipe with welding flange	PP
2	1	Shrink tube	Polyolefin
3	2	Sealing	EPDM acc. to UBA-KTW-BWGL
4	1	Pressure flange	PP
5	1	O-Ring	EPDM acc. to UBA-KTW-BWGL
6	1	Friction washer	PP
7	1	Screw ring thrust piece	PP
8	1	Screw ring inner cone	PP
9	1	Grip ring	PVC

## Accessories:



## 2. Assembly

	Tapping drill hole equipment, assembling tool 684-02, hot air dryer
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1. A core hole with a diameter of 65 - 70 mm is to be made.  
Broken out areas in the masonry which are not covered by the sealing ring (3) must be repaired.
2. Remove pre-assembled clamping elements (position 4 - 9) and shrink tube from the pipe entry connection  
**Caution:** Spread the grip ring (9) slightly for this procedure!
3. Insert the welding flange with PP pipe from the inside of the building.  
**Caution:** The flange must be in full contact with the wall of the building!
4. From the outside of the building, first push the pressure flange (4) then the O-ring (5) onto the welding flange with PP pipe (1) and insert the O-ring into the groove.
5. Push on the friction washer (6).
6. Slide onto the welding flange with PP pipe (1).
7. Push the grip ring (9) into the seat of the screw ring with inner cone (8) as far as it will go.  
**CAUTION:** Spread the grip ring (9) slightly for this procedure
8. Tighten the pipe entry connection with manual force by turning the screw ring thrust piece (7) clockwise.  
**Caution:** Before this procedure, make sure that the screw ring thrust piece (7) and the screw ring with inner cone (8) are completely screwed together
9. Let the assembly tool (see accessorie 684-02) snap into the recesses provided on the screw ring thrust piece (7) and tighten by turning clockwise.  
**Caution:** Make sure that the seals (3) are pressed sufficiently (approx. 1/3 of the initial thickness).
10. After tightening, check the distance between the screw ring thrust piece (7) and the screw ring (8). This must not be more than 20 mm. If the distance between the two components is greater than 20 mm, the pressing must be stopped and the procedure repeated.
11. For the final cable installation, slide the shrink tube (2) from the outside of the building onto the Welding flange with PP pipe (1), insert the cable, bring the shrink tube into position and shrink it on ( Shrinking temperature: 120°C).  
**CAUTION:** Avoid prolonged exposure of Welding flange with PP pipe (1) and cable to high temperature

## 3. Commissioning and testing

After completion of the assembly work, the complete pipe entry connection must be checked once again. Particular attention must be paid to the tension-free connection of the protection pipe and the tight fit of the flanges. The seals must lie flat all round so that they seal against the masonry.

## 4. Service and maintenance

The cable pipe entry connection is maintenance-free.

**Should you have questions or need further information, please contact:**

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