

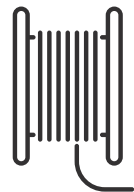
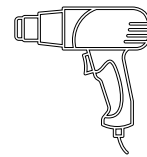
These installation instructions should be used as a guide by the trained installer performing the installation.

### Scope of delivery

Drum  
Dimensions (H x L) 1200x1300  
Delivered materials  
TFBD 7x1x4 - 500m

### Tools & Accessories

- Cable knife, side cutter, hot air gun
- Single cable storage incl. Shrink cap

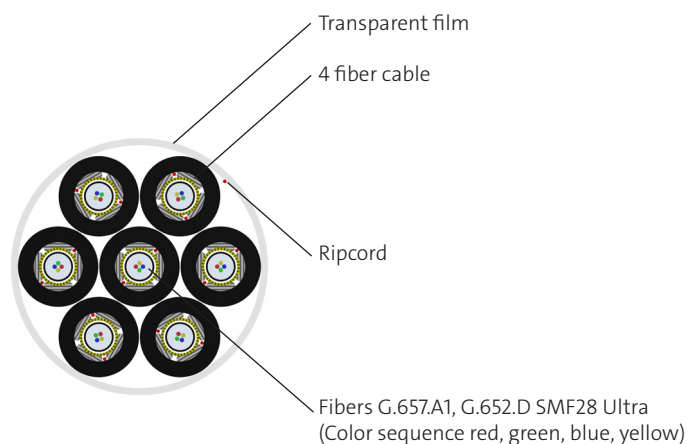


This Product is designed for direct burial or in conjunction with „minimally invasive” distribution methods, such as trenching.

Up to 7 individual direct buried cables, each with 4 optical fibers. The TFBD (thin film bundle drop) is deployed along the on the longitudinal route. Branches to the houses or house entrances should already constructed in the civil engineering phase. For this purpose, TFBD is separated after installation. The individual cables:

- are cut to the appropriate length
- pulled out of the protective film
- and either already led to the house in the branch/ transverse route
- or else wound up in the storage reel provided for this purpose and stored away from the longitudinal route

Any cable stripping or bare fibre work is not necessary work are not necessary.



### General information

TFBD and the individual cables in the branch are to be installed in accordance with the recognized rules of the respective safe operational procedures valid Additional Technical Terms of Contract. In particular, the cables are to be embedded in pit sand or stone-free earth. The cables shall be pulled into the trench by hand or machine. The permissible tensile forces & bending radius for the respective cables are to be observed. Appropriate cable reels are to be used to reduce the tensile forces, especially when changing direction.

## Open civil engineering entire route

The cable is pulled from the drum. The drum can be placed at the Street Cabinet and pulled in the direction of the participant or can also stand at the end of the route and be pulled in the direction of the Street Cabinet.

**Caution:** all branches must be created before closing. See point „Making a branch”

Daytime construction site rules – trench must be closed at the end of the day

- The installation starts at the Street Cabinet
- For the Street Cabinet approx. 10m TFBD are to be provided for storage & splicing in the cabinet
- Here, the drum is moved away from the cabinet (best on a trailer) and the TFBD is reeled off accordingly

**Caution:** all branches must be created before closing. See point „Making a branch”

## Making a branch

### Point A

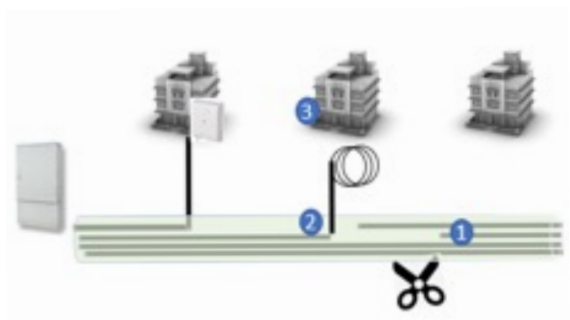
- cut the individual cable
- attention length (PK 1-2) is distance PK 2 to PK 3 + length of building cabling to GF AP

### Point B

- Branch of longitudinal route at home

### Point C

- Buildings with access point



### Point 1

Open protective film with cable knife



### Point 1

Cut red ripcord, pull towards point 2 and open protective film



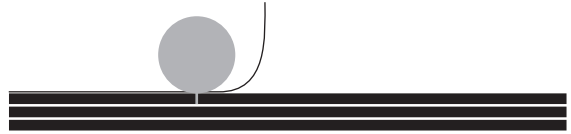
### Point 1

- The cables in the TFBD are numbered from 1 to 7 1 to 7 A-
- Select and cut the appropriate cable from the TFBD
- Retract cable to point 2



## Point 2

Optionally (according to the specifications of the AG) a ball marker can be used to mark the branch

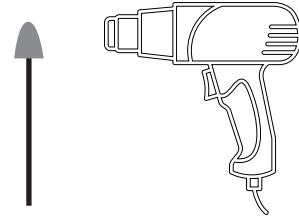


Finally, the cable is laid in the direction and introduced into the building via a house entry in the building

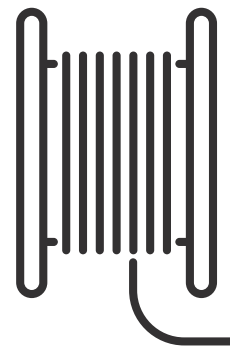
## Storing cables in the branch

If it is not possible to bring the cable into the house, the cable will be deposited on an excess length storage. The storage location is to be specified by the customer.

Shrink cap on the end of the cable



- Thread the cable end onto the drum
- Wind up the extra length to the desired point



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