

## DATASHEET

**FttX Distribution Closure, 29030 + 29351 Ø3-8 mm - 192ANT / 4mm + Window Cut**

**FttX Distribution Closure, 29030 + 29352 Ø3-8 mm - 96HS / 8mm + Window Cut**

**FttX Distribution Closure, 29030 + 29353 Ø3-8 mm - 96ANT / 4mm + Window Cut**

### Product Description



Closure for overlength 29030



Hybrid FMP 48v + window cut

Attema's Distribution Closure has been developed so that it simplifies the logistical planning, for FttX network installations, by introducing separation between the civil engineering component and final mounting of the optic fibers at a later point in time. The window cut makes it possible to create a Cascade system. The closure provides an underground space for the overlength of the feeder cable and drop cables (or ducts). A quick start-up of the first phase can be achieved because the closure is independent of the FttX concept.

The lid is equipped with a detection coil that facilitates quick and precise underground location for any subsequent process step, such as fiber blowing, splicing, digital measuring and future (customer) connections. Cable and/or duct overlength enables fusion splicing in a controlled environment above the ground.

The FiberManagement back plate provides an easy entry watertight seal and integrated cable retention for each individual cable (or duct). After the splicing the FM back plate is mounted watertight on the inside of the black protective lid and the cables or ducts are reeled in the underground closure.

Suitable for feeder cable (Window Cut) and maximum 48 direct buried drop cables / ducts out. With Maximum splice capacity 192 splice protectors sandwich ANT or mini heatshrink or 96 heatshrink splice protectors.

### Features Closure

- Compact in size
- Direct buried
- Standard with a location marker (Telecom) 101,4 kHz
- Protection of underground cable overlength
- Crush resistant
- Impact resistant
- Halogen-free
- 4 entry ports (2 on both sides)

### Benefits Closure

- Universal product for civil workers independent of FttX concept
- Easy to install
- Saving labour costs
- No specials tools required
- Easy access to the cable overlength in the ground

### Features FM back plate

- Hybrid entry ports Ø3-8 mm
- Integrated cable / duct retention
- Easy entry seal for each individual cable or duct
- Structured management of cables, ducts and fusion splices
- Suitable for multiple gas blocks
- Protection class IP 68
- Window Cut
- Easy to install
- Halogen-free

### Benefits FM back plate

- Easy access to the closure in the ground
- Suitable for multiple gas blocks
- Saving labour costs
- Ready to start kit
- No specials tools required

### Product codes

29030, FttH Distribution Closure

Including: base plate, housing, lid with location marker, hook-and-loop cable bundlers and sandfilter foamseals. All parts are packed in order of assembly. Delivered in cardboard box.

FiberManagement back plate for drop cable / duct Ø 3-8 ± 0,1 mm + Window Cut.

Including: 8 splice trays (16 for art.nr. 29351), 4 stainless steel bolts, 20 cable dummies (natural), butyl tape, 1 moisture absorbent and a Window Cut kit. Delivered in cardboard box.

29351, FiberManagement back plate – 192ANT / 4mm splice tray + Window Cut.

29352, FiberManagement back plate – 96HS / 8mm splice tray + Window Cut.

29352, FiberManagement back plate – 96ANT / 4mm splice tray + Window Cut.

### Packaging en labelling

All products suitably packed in recyclable materials and clearly labelled with Attema article number and description.

### Physical characteristics

#### Closure

Dimensions closure:	90 x 35 x 30 cm
Weight closure:	10 kg
Color Lid:	Black
Color Base plate and Housing:	Grey
Maximum quantity cables/ducts (1 inlet)	48x Ø4-6mm (from one side) + 2x DB-duct Ø14/10mm (38x Ø7mm or 30x Ø8mm)
Location marker:	Max. 1,80 meter underground

#### FM back plate

Dimensions FM back plate:	38 x 22 x 13 cm
Weight FM back plate:	2 kg
Color FM back plate:	Grey
Number of cable ports:	1 Window Cut + 48 drop cables / ducts
Number of splice trays:	8 splice trays (16 for art.nr. 29351)

Splice tray capacity 12ANT / 4mm:	12 splice protectors ANT or mini heatshrink
Splice tray capacity 12HS / 8mm:	12 splice protectors heatshrink Ø2,4 x 45mm
Fiber bending radius:	R = 30mm
Looping length of fibres:	30 cm

Feeder cable:	Ø 4,5 mm up to including Ø 8,3 mm
Customer cable / duct	Drop cable / duct: Ø 3,0 – 8,0 ± 0,1 mm.

### Technical characteristics

Cable retention in FM back plate:	>55 - 155N (depending on the Ø cable – duct)
Cable torsion:	90 degrees, 400mm No degradation, no leakage.
Impact:	20 Joule, steel ball 1 kg, 2 meter height No degradation, no leakage.
Crush resistance:	Copes with the load mentioned in EN124 classification B125 under the following conditions: - Sandcoverage at least 30cm. - FttH Distribution Closure is embedded in sand.
Water immersion:	IP68, EN 60529 Water depth 1 meter, 7 days, no leakage
Chemical Resistance:	5%HCl, 5%NaOH, 5%NaCl Kerosene (lamp oil), petroleum jelly, diesel for cars EN590. 24 hours, no leakage
Vibration:	10 Hz, Amplitude 3mm, during 10 days, No failure
Temperature:	Storage – 10 °C / + 60 °C Installation – 10 °C / + 60 °C In use – 20 °C / + 60 °C

Permanent UV radiation may influence the properties of this product.

END OF DATASHEET

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