

Product catalog 2025/05



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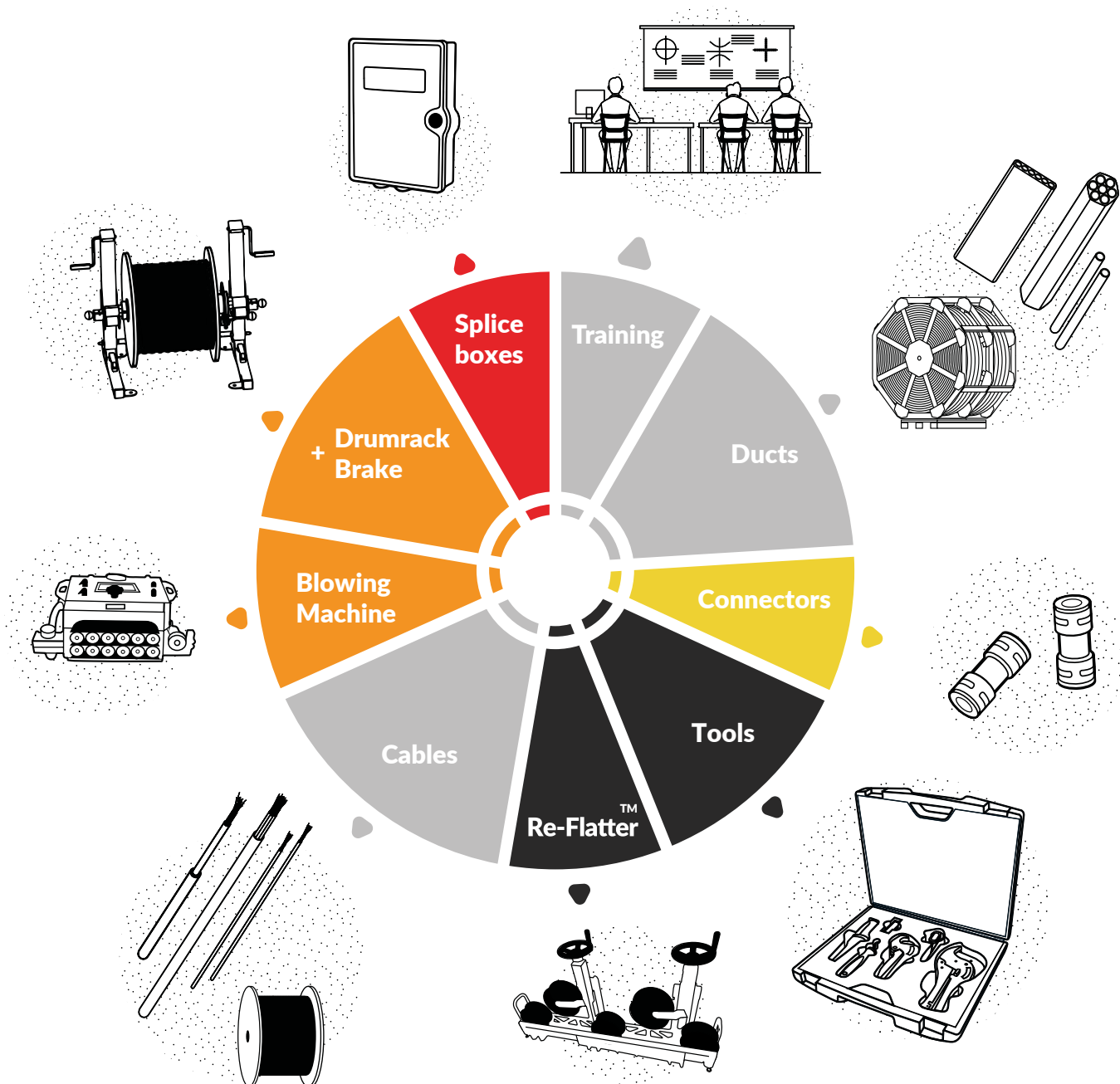





















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Fiberpowertech provides a broad range of accessories for fiber network installation and maintenance. Ranging from machines for installation of fiber cable to duct scissors and connectors. In this catalogue you'll find a wide variety of connectors, connector boxes, manhole acc. and tools.

OUR COMPANY

Fiberpowertech is dealing with FTTx accessories, primarily for the FTTH market. We have been pushing, dragging, blowing, floating, connecting and branching off in every way since the 1990's.

Fiberpowertech did a lot of pioneering and a lot of teaching, on how to install cable with air and water and using the correct accessories for the job through which we've gained vast experience in the field.



EXPERIENCES

No two FTTx networks are completely alike. Therefore you need the option to customize your network and your manholes, street cabinets and other components to exactly fit your specific network.

We frequently expand and widen our selection of available accessories.



We developed the first micro jetting machine in 2000 and our first MultiSub. Duct jetting machine in 2003. To get the best results, Fiberpowertech worked with several of the leading cable producers, to change the outer sheet and memory effects of the standard duct cable (1996-1998).

Since 2001, Fiberpowertech has been constantly developing and improving micro cables, which let to foundation of Cable77.

In this catalogue we are summing up many years of our experiences, with Fiberpowertec you have a reliable partner, with us in your project, you are on the way to succeed.

CONNECTORS

When working with / in a network, you need the right kind of accessories and tools.

Fiberpowertech provides a wide range of Connectors for assembling and terminating products such as Flatliner, Multiducts ect.



All Fiberpowertech connectors are thoroughly tested and have been approved for use with manufacturers of duct worldwide.

OTHER PRODUCTS

Fiberpowertech supplies a wide range of accessories for your network, spliceboxes, streetcabinet, ODF, Rack systems are some of our products, in the catalog there is wide range of our accessories.

Please feel free, to contact us for further information.

Made from sturdy and high quality long-lasting materials, all accessories are reliable and proven products that are specifically made for use with cable ducts, Years of experience, have told us exactly what works in the field.

MANHOLES

Manholes are a key component in any FTTx network, They allow you to easily and quickly access your network in the ground.

Fiberpowertech Manholes are made from a tough and very durable polycarbonate material, ideal for putting into the ground. All manholes are highly customizable and can be fitted with exactly the configuration you need for your network. Available in a wide range of sizes and models, special accessories, duct reducing inserts and sealings.



TOOLS

When building and maintaining your FTTx network, you need the right tools for the job.

Working in the field will stress and corrode your tools, by

using only the most durable of materials and keeping the tools simple and easy to use, Fiberpowertech can supply you with a selection of the best tools for the job. We have spent years figuring out exactly what tools will get the job done, while also keeping expenses at a minimum.

Fiberpowertech supplies all the tools you need, for handling FTTx networks.



Ask us for an suggestions to get the job done, if you like our ideas, we would be glad to offer you the right solution for your job.

Connectors for microducts

Reducing Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5/3 | 28-PR005/003 | 500 |
| 6/5 | 28-PR006/005 | 500 |
| 7/3 | 28-PR007/003 | 250 |
| 7/4 | 28-PR007/004 | 250 |
| 7/5 | 28-PR007/005 | 250 |
| 7/6 | 28-PR007/006 | 250 |
| 8/3 | 28-PR008/003 | 250 |
| 8/5 | 28-PR008/005 | 250 |
| 8/6 | 28-PR008/006 | 250 |
| 8/7 | 28-PR008/007 | 250 |
| 10/5 | 28-PR010/005 | 140 |
| 10/6 | 28-PR010/006 | 140 |
| 10/7 | 28-PR010/007 | 140 |
| 10/8 | 28-PR010/008 | 140 |
| 12/5 | 28-PR012/005 | 120 |
| 12/6 | 28-PR012/006 | 120 |
| 12/7 | 28-PR012/007 | 120 |
| 12/8 | 28-PR012/008 | 120 |
| 12/10 | 28-PR012/010 | 120 |
| 14/10 | 28-PR014/010 | 80 |
| 14/12 | 28-PR014/012 | 80 |
| 16/10 | 28-PR016/010 | 60 |
| 16/12 | 28-PR016/012 | 60 |
| 16/14 | 28-PR016/014 | 60 |
| 20/12 | 28-PR020/012 | 20 |
| 20/14 | 28-PR020/014 | 20 |
| 20/16 | 28-PR020/016 | 20 |

Straight Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 3 | 28-PFTC003 NC | 500 |
| 4 | 28-PFTC004 NC | 350 |
| 5 | 28-PFTC005 NC | 350 |
| 6 | 28-PFTC006 NC | 300 |
| 7 | 28-PFTC007 NC | 200 |
| 8 | 28-PFTC008 NC | 200 |
| 10 | 28-PFTC010 NC | 140 |
| 12 | 28-PFTC012 NC | 100 |
| 14 | 28-PFTC014 NC | 80 |
| 16 | 28-PFTC016 NC | 50 |
| 20 | 28-PFTC020 NC | 20 |

End Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 3 | 28-PFTE003 NC | 600 |
| 4 | 28-PFTE004 NC | 600 |
| 5 | 28-PFTE005 NC | 600 |
| 6 | 28-PFTE006 NC | 500 |
| 7 | 28-PFTE007 NC | 400 |
| 8 | 28-PFTE008 NC | 400 |
| 10 | 28-PFTE010 NC | 300 |
| 12 | 28-PFTE012 NC | 200 |
| 14 | 28-PFTE014 NC | 160 |
| 16 | 28-PFTE016 NC | 120 |
| 20 | 28-PFTE020 NC | 40 |

Materials

- Body: PC, impact resistant
- Collet: POM, stainless steel teeth
- O-Rings: Nitrile rubber
- Pre-assembled clips

Temperature

- Min. working temperature: -20°C
- Max. working temperature: +60°C

Pressure

- Short time working pressure: 16 bar
- Insertion force: 50N max. (5 kg)

Connectors for microducts

Reducing Connector FR



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5/3 | 28-PR005/003FR | 500 |
| 7/5 | 28-PR007/005FR | 250 |
| 8/5 | 28-PR008/005FR | 250 |
| 10/7 | 28-PR010/007FR | 140 |
| 10/8 | 28-PR010/008FR | 140 |
| 12/8 | 28-PR012/008FR | 120 |
| 12/10 | 28-PR012/010FR | 120 |
| 14/10 | 28-PR014/010FR | 80 |
| 14/12 | 28-PR014/012FR | 80 |
| 16/10 | 28-PR016/010FR | 60 |
| 16/14 | 28-PR016/014FR | 60 |
| 20/14 | 28-PR020/014FR | 20 |

Straight Connector FR



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5 | 28-PFTC005FR | 350 |
| 6 | 28-PFTC006FR | 300 |
| 7 | 28-PFTC007FR | 200 |
| 8 | 28-PFTC008FR | 200 |
| 10 | 28-PFTC010FR | 140 |
| 12 | 28-PFTC012FR | 100 |
| 14 | 28-PFTC014FR | 80 |
| 16 | 28-PFTC016FR | 60 |
| 18 | 28-PFTC018FR | 80 |
| 20 | 28-PFTC020FR | 20 |

End Connector FR



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5 | 28-PFTE005FR | 600 |
| 6 | 28-PFTE006FR | 500 |
| 7 | 28-PFTE007FR | 400 |
| 8 | 28-PFTE008FR | 400 |
| 10 | 28-PFTE010FR | 300 |
| 12 | 28-PFTE012FR | 200 |
| 14 | 28-PFTE014FR | 160 |
| 16 | 28-PFTE016FR | 200 |
| 20 | 28-PFTE020FR | 40 |

Materials

- Body: Polycarbonate, impact resistant, FR resistance V0
- Collet: Polycarbonate, impact resistant, FR resistance V0
- O-Rings: Nitrile Rubber (NBR)
- Grip rings: Stainless-Steel 304

Temperature

- Min. working temperature : -10°C
- Max. working temperature : +60°C

Pressure

- Continuous working pressure: 16 bar
- Insertion force: 50N max. (5 kg)

Norms

- Applicable standard: BS EN 50411-2-8-2009,
UL90-V0

Locking Clips



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5 | 28-PFTL005 | 100 |
| 7 | 28-PFTL007 | 100 |
| 10 | 28-PFTL010 | 100 |
| 12 | 28-PFTL012 | 100 |
| 14 | 28-PFTL014 | 100 |
| 16 | 28-PFTL016 | 100 |
| 20 | 28-PFTL020 | 100 |

Connectors for microducts

Microduct Seal

Air & Waterproof up to 0.5 Bar



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5 | 28-SES005 | 50 |
| 7 | 28-SES007 | 50 |
| 10 | 28-SES010 | 25 |
| 12 | 28-SES012 | 25 |
| 14 | 28-SES014 | 25 |
| 16 | 28-SES016 | 25 |
| 20 | 28-SES020 | 25 |

Sealing plug

Air & Waterproof up to 0.5 Bar



| Size in mm | Article Number |
|------------|----------------|
| 5 | 28-SESP005 |
| 7 | 28-SESP007 |
| 10 | 28-SESP010 |
| 12 | 28-SESP012 |
| 14 | 28-SESP014 |
| 16 | 28-SESP016 |
| 20 | 28-SESP020 |

*Supplied separately depending on cable size

For easy gas-and watertight sealing of cables in microducts.

Materials

- POM

Performance

- Sealing: up to 0.5 Bar
- Pull-out force duct seal vs duct: > 20N

Connectors for microducts

Divisible duct repair kit



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 7 | 33-DR007 | 10 |
| 10 | 33-DR010 | 10 |
| 12 | 33-DR012 | 10 |
| 14 | 33-DR014 | 10 |
| 16 | 33-DR016 | 10 |
| 18 | 33-DR018 | 10 |
| 20 | 33-DR020 | 10 |

Divisible duct repair kit + Gas-stop



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 7 | 33-DR007GS | 10 |
| 10 | 33-DR010GS | 10 |
| 12 | 33-DR012GS | 10 |
| 14 | 33-DR014GS | 10 |
| 16 | 33-DR016GS | 10 |
| 18 | 33-DR018GS | 10 |
| 20 | 33-DR020GS | 10 |

Divisible duct repair kit is suitable for connecting and repairing subducts which contain a cable. Our divisible sealing system enables you to install it easily onto existing installations.

Materials

- Material shells: glassfibre reinforced
- Material gasket: Silicone

Performance

- Gas and watertight up to 15 bar during 30 min

ID-plate



| Size in mm | Article Number | MOQ |
|------------|----------------|-------|
| 128x30x3 | 28-280622-3001 | 1 box |

The Fiberpowertech ID-plate can be fitted to any duct in the 7-20mm range. The flatpack-design makes it easy to write on the surface before installation onto the duct.

Box contains 100 pcs.

ID plate dimension: 128x30x3 mm

ID plate surface dimension: 80x30 mm

Material

- PP White RAL9003

Connectors for microducts

Split End Connector

Air & Waterproof, up to 0.50 Bar



| Size in mm | Article Number | MOQ |
|------------|-------------------|-----|
| 7/1,5-3,5 | 28-SEC007/1,5-3,5 | 25 |
| 10/2,5-8,0 | 28-SEC010/2,5-8,0 | 25 |
| 12/2,5-8,0 | 28-SEC012/2,5-8,0 | 25 |
| 14/1,5-10 | 28-SEC014/1,5-10 | 25 |
| 16/1,5-10 | 28-SEC016/1,5-10 | 25 |
| 20/3,5-14 | 28-SEC020/3,5-14 | 25 |

Performance

- Sealing: up to 0,5 bar
- Pull-out force duct seal vs duct 10mm: $\geq 100N$
- Pull-out force duct seal vs duct 12mm: $\geq 120N$
- Pull-out force duct seal vs duct 14mm: $\geq 140N$
- Pull-out force duct seal vs duct 16mm: $\geq 160N$
- Pull-out force duct seal vs duct 18mm: $\geq 180N$
- Pull-out force duct seal vs duct 20mm: $\geq 200N$

Split End Connector HDPE

Air & Waterproof, up to 0.25 Bar



| Size in mm | Article Number | MOQ |
|--------------|-------------------|-----|
| 32/3x10 | 28-F032/3x10 | 10 |
| 40/10x7 | 28-F040/10x7 | 10 |
| 40/4x12 | 28-F040/4x12 | 10 |
| 40/5x10 | 28-F040/5x10 | 10 |
| 40/3x14 | 28-F040/3x14 | 10 |
| 50/7x10 | 28-F050/7x10 | 10 |
| 50/7x12 | 28-F050/7x12 | 10 |
| 50/10x7-1x12 | 28-F050/10x7-1x12 | 10 |
| 50/18x7 | 28-F050/18x7 | 10 |
| 63/24x7-1x14 | 28-F063/24x7-1x14 | 10 |

Other sizes and configurations available upon request

Divisible seals for microducts provide a gas and watertight seal for open duct ends installed with air blown fiber or micro cables.

Materials

- Plastic scales: glassfibre reinforced
- Closing key: glassfibre reinforced
- Sealing plug: EPDM

Performance

- Sealing: up to 0,25 bar
- Pull-out force duct seal vs duct 32mm , 40mm: $\geq 1000N$
- Pull-out force duct seal vs duct 50mm , 63mm: $\geq 1200N$

Connectors for microducts

Compact Cable End Connector



| Size | Article Number | MOQ |
|------|--------------------|-----|
| 5 | 28-CCEC05/0,5-2,5 | 100 |
| 7 | 28-CCEC07/1,0-3,0 | 100 |
| 10 | 28-CCEC10/2,5-4,5 | 100 |
| 10 | 28-CCEC10/3,5-6,1 | 100 |
| 12 | 28-CCEC12/2,5-4,5 | 25 |
| 12 | 28-CCEC12/3,5-6,1 | 25 |
| 12 | 28-CCEC12/6,0-8,0 | 25 |
| 14 | 28-CCEC14/2,5-5,0 | 25 |
| 14 | 28-CCEC14/4,0-8,0 | 25 |
| 16 | 28-CCEC16/4,0-8,0 | 25 |
| 16 | 28-CCEC16/6,0-10,5 | 25 |
| 20 | 28-CCEC20/4,0-8,0 | 25 |
| 20 | 28-CCEC20/6,0-10,5 | 25 |

Seal Connector



| Size in mm | Article Number | MOQ |
|------------|-------------------|-----|
| 7/1-3,8 | 28-e007/GBWB1-3,8 | 25 |
| 8/1-2,4 | 28-e008/GBWB1-2,4 | 25 |
| 10/1-4 | 28-e010/GBWB1-4 | 25 |
| 12/3-6 | 28-e012/GBWB3-6 | 25 |
| 12/5-8 | 28-e012/GBWB5-8 | 25 |
| 14/3-6 | 28-e014/GBWB3-6 | 25 |
| 14/5-8 | 28-e014/GBWB5-8 | 25 |
| 16/5-8 | 28-e016/GBWB5-8 | 25 |
| 16/6-9 | 28-e016/GBWB6-9 | 25 |
| 20/7-10 | 28-e020/GBWB7-10 | 25 |
| 20/9-12 | 28-e020/GBWB9-12 | 25 |

Reducing Seal Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 7/3 | 28-e007/03 GAS | 25 |
| 7/5 | 28-e007/05 GAS | 25 |
| 10/7 | 28-e010/07 GAS | 25 |
| 10/8 | 28-e010/08 GAS | 25 |
| 12/7 | 28-e012/07 GAS | 25 |
| 12/8 | 28-e012/08 GAS | 25 |
| 12/10 | 28-e012/10 GAS | 25 |
| 14/7 | 28-e014/07 GAS | 25 |
| 14/10 | 28-e014/10 GAS | 25 |
| 14/12 | 28-e014/12 GAS | 25 |

Materials

- Body: PC, impact resistant
- Collet: POM, stainless steel teeth
- O-Rings: Nitrile rubber

Performance

- Air & Water tight: 0,5 Bar
- Insertion force: 50N max. (5 kg)

Temperature

- Min. working temperature: -20°C
- Max. working temperature: +60°C

Materials

- Body: Polycarbonate
- Guide tube retainer, release sleeve and cap: POM
- Oring seal: Nitrile
- Water block Seal: Silicone

Performance

- Air & Water tight: 0,5 Bar
- Peak tensile force: 200 N

Connectors for microducts

Endcap



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5 | 34-DN005 | 100 |
| 7 | 34-DN007 | 100 |
| 8 | 34-DN008 | 100 |
| 10 | 34-DN010 | 100 |
| 12 | 34-DN012 | 100 |
| 14 | 34-DN014 | 100 |
| 16 | 34-DN016 | 100 |
| 18 | 34-DN018 | 100 |
| 20 | 34-DN020 | 100 |
| 25 | 34-DN025 | 100 |
| 32 | 34-DN032 | 100 |
| 40 | 34-DN040 | 100 |
| 50 | 34-DN050 | 100 |
| 63 | 34-DN063 | 100 |

Expandable Plug



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32 | 31-40050032 | 1 |
| 40 | 31-40050040 | 1 |
| 50 | 31-40050050 | 1 |
| 63 | 31-40050063 | 1 |

Cable Caps



| Size in mm | Article Number | MOQ |
|------------|----------------|------|
| 3-8 | 34-DM003 | 5916 |
| 8-12 | 34-DM008 | 3510 |
| 12-18 | 34-DM012 | 1540 |
| 18-22 | 34-DM018 | 850 |
| 22-30 | 34-DM022 | 560 |
| 30-38 | 34-DM030 | 330 |
| 38-44 | 34-DM038 | 225 |
| 44-55 | 34-DM044 | 160 |
| 55-70 | 34-DM055 | 84 |

For protection of DIN EN 10220, DIN EN 10255 and DIN EN ISO 1127 pipes during transport and storage. Discontinuous internal beads, offset by 180 degrees, permit venting and pressure equalization.

Materials

- Material: polyethylene (PE-LD)/(PE-LLD)
- Material from GPN 250 / 219

Connectors for teleducts

Plowing Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32 | 33-DN032 | 48 |
| 40 | 33-DN040 | 48 |
| 50 | 33-DN050 | 40 |

Tool for Plowing Connector, 2pc set



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32 | 79-041.071 | 1 |
| 40 | 79-041.072 | 1 |
| 50 | 79-041.073 | 1 |

Optimal acceptance of the PE-pipe in the fitting. The vortex clamping ring and a robust O-ring ensure the tensional safety and tightness. No supporting sleeves required for water and compressed air.
No inadmissible tensioning and weakening of the PE-pipe.

Continually adequate sealing and shearing-protection forces, which are regulated automatically by the internal pressure of the medium. Thanks to the selection of the material cast or POM, no electrochemical corrosion on the tapping clamps and house-connection sliders.

Materials

Fittings - Acetal resin

Performance

Pressure level PN 16

Comfit Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32 | 31-40032M0032 | 70 |
| 40 | 31-40032M0040 | 60 |
| 50 | 31-40032M0050 | 33 |

Features

- Push-fit action ensuring fast and easy installation
- Water tight and air tight
- UV stabilised
- Resistant to corrosion and most chemicals

Performance

- Pressure: 12 bar
- Working Temperatures : -15°C to + 60°C

Materials

- Grip Ring- Acetal
- Nut - Polypropylene
- Blocking-Ring - Polypropylene
- Body - Polypropylene
- Seal - Nitrile Rubber

Connectors for teleducts

Straight Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 16 | 35-16x16t | 75 |
| 20 | 35-20x20t | 90 |
| 25 | 35-25x25t | 60 |
| 32 | 35-32x32t | 36 |
| 40 | 35-40x40t | 36 |
| 50 | 35-50x50t | 18 |
| 63 | 35-63x63t | 1 |
| 75 | 35-75x75t | 1 |

Straight couplers are a transparent couplers for connecting PE cable ducts. Connectors are water and air tight, UV stabilised, resistant to corrosion and most chemicals. In case of remounting : If the connector has been subjected to pressure, we recommend to replace the grippers.

Materials

- Body: Polypropylene - Transparent
- Nut: Polypropylene - Metric: Orange Inch: Blue
- Grip Ring: Acetal - White
- Insert: Polypropylene - Inch: Transparent
- Seal: Nitrile Rubber - Black

Performance

- Pressure: $\leq 16\text{bar}$ (230psi)
- Working temperature: $< 60^{\circ}\text{C}$ (140°F)



Connectors for teleducts

Reducing Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 20-16 | 35-20x16 | 50 |
| 25-20 | 35-25x20 | 35 |
| 32-20 | 35-32x20 | 54 |
| 32-25 | 35-32x25 | 48 |
| 40-25 | 35-40x25 | 30 |
| 40-32 | 35-40x32 | 22 |
| 50-25 | 35-50x25 | 18 |
| 50-32 | 35-50x32 | 25 |
| 50-40 | 35-50x40 | 24 |
| 63-32 | 35-63x32 | 15 |
| 63-40 | 35-63x40 | 15 |
| 63-50 | 35-63x50 | 12 |

For use with HDPE pipes that comply with ISO 4427, EN 12201 and DIN 8074. Connects to metal and plastic accessories with ISO 7 threads. Made from top quality raw materials approved for drinking water by WRC, DVGW and KIWA.

Allows easy and quick mounting without loss of parts. Unbreakable, corrosion-resistant and resistant to most chemicals. Stands up to tough working conditions, pipe bending and pulling. Complies with International Standards. In case of remounting : If the connector has been subjected to pressure, we recommend to replace the grippers.

Materials

- Grip Ring: Acetal
- Nut: PPB UV stabilized with carbon black
- D-Ring: Nitril -Butyl Rubber
- Body: PPB UV stabilized with carbon black

Performance

- Maximum Working Temperature : Polypropylene 100°C
Acetal 80°C
- Working Conditions for 50 Year Lifetime : up to 23°C - 16 bar
up to 40°C - 7 bar
up to 70°C - 4 bar

Endstop



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 16 | 35-16x16s | 75 |
| 20 | 35-20x20s | 90 |
| 25 | 35-25x25s | 60 |
| 32 | 35-32x32s | 36 |
| 40 | 35-40x40s | 36 |
| 50 | 35-50x50s | 18 |
| 63 | 35-63x63s | 18 |

Connectors for teleducts

Connector Box



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 2x50 | 28-e50/50 CB L | 1 |

Connector Box



| Size in mm | Article Number | MOQ |
|------------|-----------------|-----|
| 4x50 | 28-e50/50/50/50 | 1 |

Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32/32/32 T | 28-ET32/32/32 | 1 |
| 40/40/40 T | 28-ET40/40/40 | 1 |
| 50/50/50 T | 28-ET50/50/50 | 1 |

Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 25/25/25 Y | 28-EY25/25/25 | 1 |
| 32/32/32 Y | 28-EY32/32/32 | 1 |
| 40/40/40 Y | 28-EY40/40/40 | 1 |
| 50/50/50 Y | 28-EY50/50/50 | 1 |

T/Y/H/I closures to interconnect and branch micro-tubes in duct routes. It provides high network flexibility, upgrade ability and uninterrupted fibre/cable connectivity with no need for splicing. Two half shells, fully splittable solution.

Materials

- Rings: ABS/POM
- Body: HDPE/High Impact Polypropylene

Performance

- Sealing level : only mechanical protection
- Use : Direct burial or manholes
 - Reopenable, Splittable
 - Tool free assembly



Accessories for micro/teleducts

Branch Off 2 x 12 mm.



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 2x12 | 28-EH50/50 | 1 |

Branch Off 40 mm.



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 40 | 28-EH40/40 | 1 |

Branch-off connectors for outside applications. Designed as manipulation point for branching at any place in network.

Materials

- Body - PE

Port Maxifold



| Size/Cable | Article Number | MOQ |
|------------|----------------|-----|
| 50/7x12 | 28-E50/7x12 | 1 |

Port Minifold



| Size/Cable | Article Number | MOQ |
|------------|----------------|-----|
| 50/5x10 | 50-33E5x10 | 1 |

Port Reducer



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 50/2x20 | 28-ER50/20/20 | 1 |

Port Reducer



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 50-20 | 28-EPR50/20 | 1 |
| 50-32 | 28-EPR50/32 | 1 |
| 50-40 | 28-EPR50/40 | 1 |
| 40-32 | 28-EPR40/32 | 1 |

Accessories for micro/teleducts

Repairing Connector



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32 | 32-EBM032 | 12 |
| 40 | 32-EBM040 | 12 |
| 50 | 32-EBM050 | 12 |

The divisible connector is used for the gas- and water-tight connection of split ducts and ducts. The connectors are resistant to tensile.

Materials

- Body - PVC-U

Performance

- 0.5 bar permanent (10 bar/30 min)

Repairing Ducts, 2 mtr. splittable



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32 | 32-EBMR32 | 1 |
| 40 | 32-EBMR40 | 1 |
| 50 | 32-EBMR50 | 1 |

The split ducts were developed for the pressure-tight repair of empty ducts or ducts occupied with cables or pipes. They are suitable for the gas- and water-tight sealing of blow-in points. They consist of two half shells.

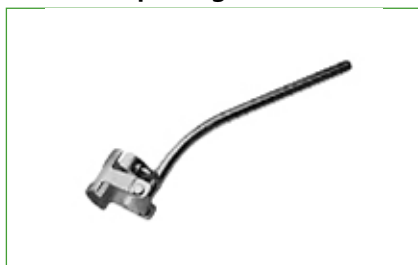
Materials

- Body: PVC

Performance

- Gas- and water-tight up to 0,5 bar

Tool for repairing Ducts



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32 | 32-EBMV32 | 1 |
| 40 | 32-EBMV40 | 1 |
| 50 | 32-EBMV50 | 1 |

Manhole and accessories

Manhole (PC)



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 250x250 | 37-EK 268 | 1 |
| 400x400 | 37-EK 358 | 1 |
| 400x650 | 37-EK 368 | 1 |
| 400x800 | 37-EK 378 | 1 |
| 400x1165 | 37-EK 478 | 1 |
| 400x1600 | 37-EK 628 | 1 |
| 550x550 | 37-EK 288 | 1 |
| 550x1165 | 37-EK 338 | 1 |
| 650x650 | 37-EK 388 | 1 |
| 800x800 | 37-EK 328 | 1 |
| 800x1165 | 37-EK 508 | 1 |
| 800x1400 | 37-EK 428 | 1 |
| 800x1600 | 37-EK 708 | 1 |
| 800x1825 | 37-EK 728 | 1 |
| 800x2000 | 37-EK 738 | 1 |
| 800x2200 | 37-EK 748 | 1 |

Manhole Frame (70mm , 220mm)



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 250x250 | 37-EKR 268 | 1 |
| 400x400 | 37-EKR 358 | 1 |
| 400x650 | 37-EKR 368 | 1 |
| 400x800 | 37-EKR 378 | 1 |
| 400x1165 | 37-EKR 478 | 1 |
| 400x1600 | 37-EKR 628 | 1 |
| 550x550 | 37-EKR 288 | 1 |
| 550x1165 | 37-EKR 338 | 1 |
| 650x650 | 37-EKR 388 | 1 |
| 800x800 | 37-EKR 328 | 1 |
| 800x1165 | 37-EKR 508 | 1 |
| 800x1400 | 37-EK 428 | 1 |
| 800x1600 | 37-EKR 708 | 1 |
| 800x1825 | 37-EKR 728 | 1 |
| 800x2000 | 37-EKR 738 | 1 |
| 800x2200 | 37-EKR 748 | 1 |

Manhole Frame with Cassette



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 250x250 | 37-EK268BK | 1 |
| 400x650 | 37-EK368BK | 1 |
| 400x800 | 37-EK378BK | 1 |
| 400x1165 | 37-EK478BK | 1 |
| 550x550 | 37-EK288BK | 1 |
| 550x1165 | 37-EK338BK | 1 |
| 800x800 | 37-EK328BK | 1 |
| 800x1600 | 37-EK708BK | 1 |

Polycarbonate manholes are suitable as cable drawing manholes, telecommunication distribution systems and underground distribution systems. They are a durable and flexible alternative to concrete manholes.

Materials

- Body: Polycarbonate

Technical data

- Cover options:
 - 15 kN 1,5 ton
 - 125kN 12,5 ton
 - 400kN 40 ton
- Height adjustable:
 - +/- 50mm



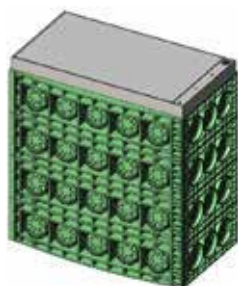
Manhole and accessories

Manhole Basebox (PET)



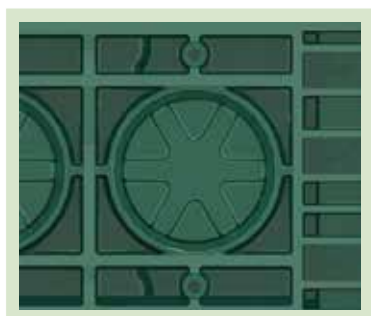
| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 250x250 | 37-EK 268 | 1 |
| 400x400 | 37-EK 358 | 1 |
| 400x650 | 37-EK 368 | 1 |
| 400x800 | 37-EK 378 | 1 |
| 400x1165 | 37-EK 478 | 1 |

Base
Box



Example: 400x800 with 4 frames
and a GRP cover with
locking

3D-ribFrame®
designed to resist



The BaseBox is sustainable PET manhole designed as a basic product for use in a wide range of applications. And it's all possible due to a production process using PET foams to make injection-moulded parts. This enables us to supply a manhole made from recycled disposable PET bottles.

Advantages

- Modular design
- Frame elements that can be built over on the face side possible at any level
- ø110 mm standard break points
- Covers made of glass fibre reinforced resin up to 125kN
- Grooved base plate for better anti-slip characteristics
- Logo option possible

Technical data

- Body: Foam-moulded PET
- Frame material: Hot-dip galvanised steel
- Locking cross-bar material: Hot-dip galvanised steel
- Cover: Glass-reinforced resin
- Weight per cover: Between 7 and 25 kg
- Max. load: 125 kN
- Can be built over: Yes, on the face side
- Locking mechanisms: Hexagon socket head, COLT/Telenet

Manhole and accessories

Ø110mm Manhole Seal For Flatliner/Multiduct



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 110 | 37-270921-0001 | 1 |

Product advantages

- Protection for your cables, pipes and manholes
- The conduit seal prevents silting or sanding up of the cable installation pipes or manholes
- The special insert of egg crate foam seals off the cables/ducts
- New ECO friendly design saves usage of material

Materials

- Body: Regenerated PP
- Colour: Black
- Foam: B2240 ECO

Ø110mm Manhole Seal For Micropipes



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 110 | 37-200.111 | 1 |

Product advantages

- Protection for your cables, pipes and manholes
- The conduit seal prevents silting or sanding up of the cable installation pipes or manholes
- The special insert of egg crate foam seals off the cables/ducts
- The conduit seal can be opened so that it can be fitted to cables or manholes that are already installed

Materials

- Body: PE
- Colour: Black

Manhole and accessories

Reducer for a Manhole

|  | | |
|---|----------------|-----|
| Size in mm | Article Number | MOQ |
| 110/1x50 | 37-ST006300 | 1 |

Product description

- Pipe adapter, divisible
- For opening Ø 110 mm
- With 2 pipes inlets Ø 50 mm
- For inserting cables or pipes

Reducer for a Manhole

|  | | |
|---|----------------|-----|
| Size in mm | Article Number | MOQ |
| 110/2x50 | 37-ST006302 | 1 |

Materials

- Body: PE
- Colour: Black

Covering

|  | | |
|---|----------------|-----|
| Size in mm | Article Number | MOQ |
| 50-110 | 37-200.026 | 1 |

Product description

- Stepped grommet
- To allow connection of different pipe sizes
- For opening Ø 110 mm
- Allows connection of pipes with external diameter 90, 75, 63, 50 and 40 mm

Rubber Reducer

|  | | |
|---|----------------|-----|
| Size in mm | Article Number | MOQ |
| 50-32 | 37-100/024 | 1 |
| 50-40 | 37-100/025 | 1 |

Product description

- Moulded transition piece (reducer)
- Reducer for Ø 50 mm opening , divisible
- Can also be used with existing cables or manholes

Manhole and accessories

Hook, 2pc set



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 220 | 37-100/040 | 1 |
| 850 | 37-100/041 | 1 |

Product description

- Lifting hook for cover
- Set (2 ea.)

Key



| Article Number | MOQ |
|----------------|-----|
| 37-KEY | 1 |

Product description

- Tools for attaching manhole cover
- Offset screwdriver for head form hex socket

Logo Plates



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 40 x 80 | 37-311899 | 50 |

Product description

- Customer-specific company symbol

Materials

- Plast
- Size: 80 x 40 mm

Manhole and accessories

Rodent protection Tape

|   | | |
|---|----------------|-----|
| Width/Length | Article Number | MOQ |
| 250x250 | 27-001.66.4 | 1 |
| 400x400 | 27-001.66.5 | 1 |
| 400x650 | 27-001.66.6 | 1 |
| 400x800 | 27-001.66.7 | 1 |
| 400x1165 | 27-001.66.8 | 1 |

Features

- This fiberglass tape is used to protect cables and/or microducts, in all situations where they may be exposed to attacks by rodents, for example inside handholes, manholes, tunnels, and other empty spaces. The tape can be applied to both new and already existing infrastructures.
- The tape is made with a 1.5 mm thickness fiberglass weave, natural color, and has one pre-glued side to facilitate installation on cables and/or ducts.

Micro cable storage bag

|   | |
|---|----------------|
| Size in mm | Article Number |
| 420x420x15 | 27-001.67 |
| 500x500x15 | 27-001.66 |
| 610x630x15 | 27-001.67.2 |

Features

- The micro-cable storage bag is used inside manholes to protect the micro-cable overlength and to keep it secure and organized.
- It is made of a fiberglass fabric to prevent rodent attacks.

The bag has a high-resistance Velcro opening at the top with two flaps at the opposite sides to wrap the ducts and protect the entrance to the bag. A steel band inserted at the top back allows easy mounting of the bag on a multi-point bracket fixed to the wall. At the front, the bag has a transparent envelop to host the identification label of the cable / customer.



Duct tools and accessories

Tool Box MINI



| Model | Article Number |
|-------|----------------|
| MINI | 79-100.001 |

Included : Cable Knife, Micro Cutter, 2-26mm Cutter, Deburrer 7-20mm, Pipeplough.

Tool Box BASIC



| Model | Article Number |
|-------|----------------|
| BASIC | 79-100.002 |

Included : Knife for Flatliner, Micro Cutter, Inside Deburrer, 2-26mm Cutter, 32-50mm Cutter, Pipeplough, Deburrer 32-50mm

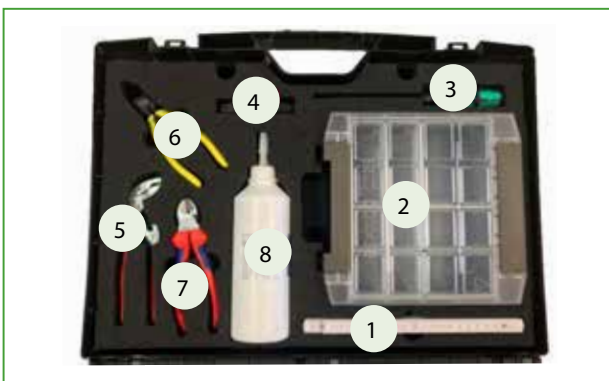
Tool Box PRO



| Model | Article Number |
|-------|----------------|
| PRO | 79-100.003 |

Included : Knife for Flatliner, Micro Cutter, 2-26mm Cutter, 32-50mm Cutter, Pipeplough, Deburrer 10-54mm Pro, Cable Knife, Rotary Cutter 5-16mm

Tool Box PRO Extra Layer Accessories (Optional)



| Model | Article Number |
|--------------------|---------------------|
| 1. RULER 200CM | 79-00.7005 |
| 2. ACS.BOX | 79-00.7003 |
| 3. SCREWDRIVER | 79-00.7004 |
| 4. GASBURNER | 79-00.7006 |
| 5. W.P PLIERS | 79-00.7002 |
| 6. F. CABLE CUTTER | 79-00.6885 |
| 7. DIAGONAL CUTTER | 79-00.7001 |
| 8. LUBRIC 500ML | 70-Lubric S5000 0,5 |

Duct tools and accessories

Chain Cutter



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 20-110 | 79-7.0285 | 1 |

Key features

- For copper, brass, aluminium, thin-walled steel pipes, as well as plastic coated pipe
- Ideal for working in confined spaces, e.g. parallel-running pipes

Cutter Large



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 50-75 | 79-041.047 | 1 |

Application advantages

- Shear arms lockable in transport position
- Secure grip with the rubberised handles
- Precise right-angled cuts
- Precise pressure transfer and guided cutter feed
- Pin-point precision without deformation
- Minimum effort during cutting
- Automatic, controlled opening of the blade at the push of a button

Cutter Small



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 2-26 | 79-041.039 | 1 |

Materials

- Body: Aluminium
- Blade: Stainless Steel

Cutter Medium



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32-50 | 79-041.041 | 1 |

Spare Blades



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32-50 | 79-041.041K | 1 |

Duct tools and accessories

Pipeplough



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 20-110 | 79-041.050 | 1 |

Key features

- Tool for splitting ducts
- With guide blade which prevents damage of the cable
- Adjustable cutting depth
- Is in the FPT toolbox

Pipeplough Spare Parts



| Item | Article Number | MOQ |
|--------|----------------|-----|
| Holder | 79-041.052 | 1 |
| Knife | 79-041.051 | 1 |

Key features

- Spare knife reversible
- Knife holder steel

Cable Stripping Knife with Cap



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 47 | 79-041.055 | 1 |

Key features

- For removal of insulation and sheath
- Special blade with guide blade prevents damage of the cable
- Blade and back sharpened made of tempered stainless steel

Knife for Flatliner/Cable



| Article Number | MOQ |
|----------------|-----|
| 79-041.053 | 1 |
| 79-041.054 | 1 |

Key features

- The holster can be attached to both a belt and a button on your work clothes - If your belt is thick, cut away the small pin on the cover
- The flat nose knife's blade is made from Japanese knife steel, 2.5 mm carbon steel that has been hardened to 58–60 HRC

Duct tools and accessories

Micro Cutter



| Size in mm | Article Number | MOQ |
|------------|----------------|------|
| 0-12 | 79-041.038 | 1/10 |

Key features

- Precise Cutter with quick release
- A hardened steel blade is mounted to a sturdy plastic spring-action frame

Rottary Cutter PRO



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5-16 | 79-041.040 | 1 |

Key features

- Precise Cutter with quick release
- A hardened steel blade is mounted to a sturdy plastic spring-action frame

Inside Deburrer



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5-120 | 79-041.037 | 1 |

Rottary Cutter



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32 | 79-041 | 1 |
| 40 | 79-041 | 1 |
| 50 | 79-041 | 1 |

Key features

- Rottary microduct cutter
- Fast Cut.
- Flexible casing.
- Less space required.
- No deformation of the pipe.

Inside/Outside Deburrer Mini



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 7-20 | 79-300323-1001 | 5 |

Inside/Outside Deburrer



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 4-36 | 79-041.019 | 1 |

Inside/Outside Deburrer Pro



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 10-54 | 79-041.020 | 1 |

Duct tools and accessories

Electronic Marker Locator



| Article Number | MOQ |
|----------------|-----|
| 70-3M-100 | 1 |

Key features

- Detects probes/balls down to 1,5 mtr. depth.
- Digital signal processor accuracy.
- Large-character easy to read display.
- Bar graph, numeric & audible signal strength indicators.
- Speaker volume adjust.
- Headphone jack.
- Battery level indicator and low battery warning.
- Weather resistant & Rugged construction.

Trace Ball



| Article Number | MOQ |
|----------------|-----|
| 37-D/OM0019A | 6 |

Electronic PEN Marker RFID



| Article Number | MOQ |
|-------------------|-----|
| 37-D10M00101.4KHZ | 10 |

Key features

- The Electronic Marker System quickly pinpoints the location of buried facilities including splices, fiber optic facilities, service drops and manholes.
- Markers operate even in the presence of metal conduit or pipe, metallic conductors, fences.

Glasfiber rod



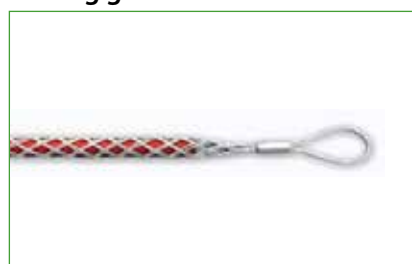
| Size in mm | Article Number | Meters |
|------------|----------------|--------|
| 4,5 | 70-79-2001 | 80 |
| 6,0 | 70-79-2002 | 80 |
| 9,0 | 70-79-2003 | 150 |

Pull Eye (1)



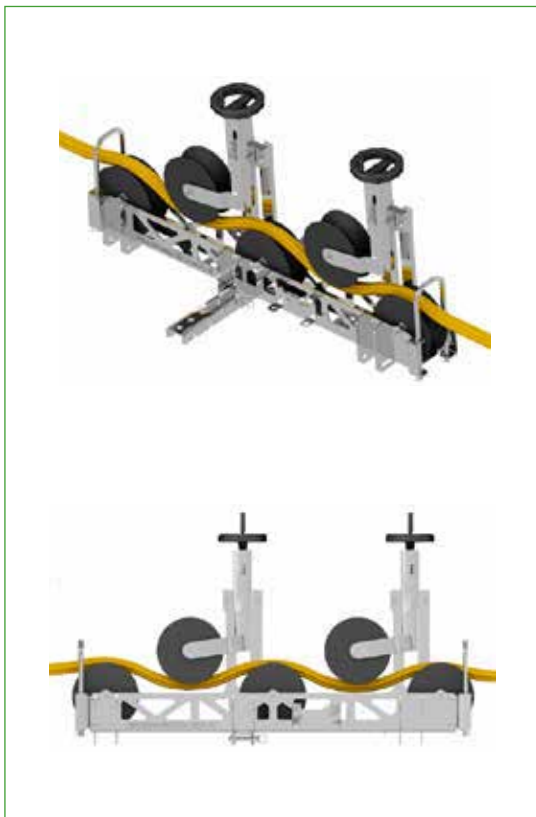
| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 32mm | 70-79-1997 | 1 |
| 40mm | 70-79-1998 | 1 |
| 50mm | 70-79-1999 | 1 |

Pulling gibs on stock



| Size | |
|---------------|-----------|
| various sizes | on demand |

Multiduct Re-Flatter™ ® ®



| Model | FPT Re-Flatter |
|----------------------|-------------------|
| Art.Nr. | 79-FLATTER |
| Dimensions WxHxD | 1340x760x660 mm |
| Frame material | Galvanized steel |
| Weight (whole set) | 44,8 kg |
| POM-wheels | with SKF bearings |
| POM-wheels | Ø200 mm |

Multiduct Re-Flatter is a patented, innovative solution for loosening the microducts tension in the bundle.

It allows to get rid of stress on the whole length of the drum before final installation.

If the multiduct is installed with twists and turns the blowing length can be reduced to 10-20% of straight installation.

The multiduct has to be installed in a straight line to guarantee the best blowing performance and installation length.

Key features

- The length of the jack 120mm for regulation
- Ø200 mm wheels
- Black POM-wheels with SKF bearings
- Type-plate with serial number
- GPS-Tracker
- Bracket to hold the crossbar during transport



Multiduct Re-Flatter™®®

1. Height and pressure regulation

depends on the model

2. Black POM-wheels

SKF bearings

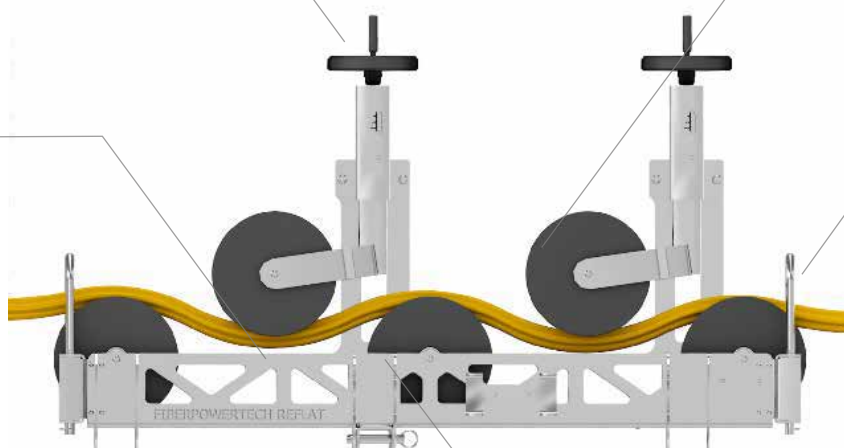
4. Steel Frame

3. Bracket

2 pcs.

5. Stabilisation support

6. GPS-Tracker



Reduces duct's tension



Quick installation saves time and money



Long life and robust



Compact size; easy to dislocate

Multiduct Re-Flatter™®®



- 1 Depending on the drum size the twists and turns are making the job more difficult.
- 2 Even after unrolling multiducts the stress is still in the bundle. Problems of overlength and "corkscrew" or "snake" effect disturb the process.
- 3 Example of the multiduct without Re-Flatter treatment on the left and after on the right side.

Problems

- Twists and turns
- "Corkscrew" or "Snake" effect
- Overlength problem
- Disturbance in the installation process
- Poor blowing length and performance
- Maintenance issues

Fiber tools and accessories

Blown Fibre Preparation Tool



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| multi | 79-00.5480 | 1 |

Product description

- Tube cutter
- Bead crimper
- Manifold tube measurement guide
- Tube reforming nipple
- Gas and water block activation tool
- 30mm splice protector fibre guide

Fibre Optic Cable Stripper



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| multi | 79-00.6175 | 1 |

Product description

- Cutting and stripping to the very highest tolerances
- Stripping and removal of 2 - 3 mm outer jacket
- Stripping 900µm buffer insulation
- Stripping 250µm acrylate coating

Compact Fibre Optic Cable Stripper



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| multi | 79-00.6912 | 1 |

Product description

- For circumferential and longitudinal stripping
- The stripper uses two 'V' groove steps 0-3.2mm and 3mm- 6.4mm)
- Stripping of most fibre optic cables up to a maximum diameter of 6.4mm.

Slitter Mid Span Fibre Access Stripper



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| multi | 79-00.6625 | 1 |

Key features

- A simple and effective longitudinal sheath stripper tool for easy removal of the outer sheath of most fibres with a diameter of 1.5mm to 3.3mm
- 4 preset grooves, (1.5-1.9mm, 2.0-2.4mm, 2.5 -2.9mm and 3.0-3.3mm)

Fiber tools and accessories

Compact Plastic Duct Cutter



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 1-14 | 79-00.7292 | 1 |

Product description

- PTFE coated blade for precision cutting of microducts up to a diameter of 14mm
- Incorporating a one-handed locking system

Fiber Cable Cutter



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 0-13 | 79-00.6885 | 1 |

Product description

- Designed to cut through Kevlar and steel wire reinforced fibre optic cables

Multi Fibre Stripper



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 1,0-3,2 | 79-00.2018 | 1 |
| 3,2-5,6 | 79-00.5878 | 1 |
| 5,0-8,0 | 79-00.3035 | 1 |

Product description

- The adjustable blades can be set for any depth to help ensure nick-free stripping on a variety of coaxial cables
- The stripper is supplied with one round and three straight blades
- The stripper can be used for circumferential and longitudinal stripping of fibre cables

Fiber tools and accessories

Fibre Tube Scoring Tool



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| multi | 79-00.4743 | 1 |

Product description

- Scores buffer tube sizes from 1.3 mm to 6.0 mm, eliminating multiple tools
- Factory fixed hardened carbon steel blade requires no timely blade adjustment
- Body made of strong resilient acetal polymer

Cable Jacket Stripper



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| multi | 79-00.4799 | 1 |

Product description

- Across and Lengthwise Fiber Cable Stripper is used for stripping the sheath of optical cable
- Crosswise stripping function

Tools organizer



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| multi | 79-00.4800 | 1 |

Product description

- Model canvas 200 x 400 mm

Reaming and Deburring Tool



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 2 -12 | 79-00.6467 | 1 |

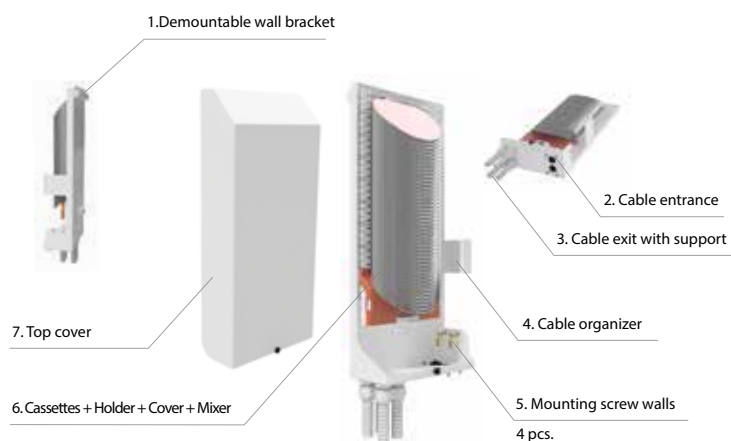
Product description

- Tool for deburring or reaming the internal surface of plastic blown fibre tubes
- Comfort grip handle

Splice Box for fiber fusion Splice Cabinet FPT-APL576



| Model | FPT-APL288 |
|------------------|--------------------------|
| Art. Number | 44-288.100 |
| Dimensions | WxHxD 216 x 341 x 108 mm |
| Cabinet material | Aluminium |



Features and Benefits :

- Wall Mountable Cabinet with all accessories
- 12-288 optical fibers
- PG for cable solution
- Different cable sizes
- Easy mounting in sections
- Made in Aluminium • Different combinations
- Violence protected

| Name | FPT-APL288 | | |
|------------|-----------------|--------------|-------|
| Size in mm | 216 x 341 x 108 | | |
| Part Nr | 44-288-100 | | |
| Colour | Light grey | | |
| Material | Aluminium | | |
| Tray Pack | 4 | | |
| | Splitter Nr | Max. Splices | |
| | | Shrink | Crimp |
| STP6-24M | | | 288 |
| STP3-PLC | 48 | | 192 |
| STP6-8S | | 192 | |
| STP3-24S | | 288 | |
| STP6-12S | | 288 | |

FPT-APL288 - is a splice closure for a multi residential units. It terminates 288 fibers in a compact design with innovative sealing concept and fiber management solution.

Easy wall mounting and access protection accessories are included in the set. This applies also to seals which are pre-perforated and ready for a quick installation.

The side bracket offers place to store excess lengths of fiber cables.

Splice Box for fiber fusion Splice Cabinet FPT-APL288

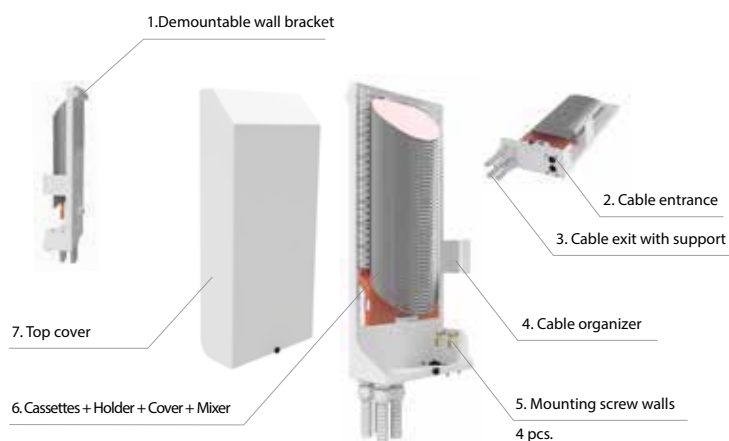


| Model | FPT-APL576 |
|------------------|--------------------------|
| Art. Number | 44-288.100 |
| Dimensions | WxHxD 216 x 485 x 108 mm |
| Cabinet material | Aluminium |

FPT-APL576 is a slightly bigger solution for different conditions. It's a splice closure for a multi-residential unit. It terminates 576 fibers in a compact design with innovative sealing concept and fiber management solution.

Easy wall mounting and access protection accessories are included in the set. This applies also to seals which are pre-perforated and ready for a quick installation.

The side bracket offers place to store excess lengths of fiber cables.



Features and Benefits :

- Wall Mountable Cabinet with all accessories
- 12-576 optical fibers
- PG for cable solution
- Different cable sizes
- Easy mounting in sections
- Made in Aluminium • Different combinations
- Violence protected

| Name | FPT-APL576 | | |
|---|-----------------|--------------|-------|
| Size in mm | 216 x 485 x 108 | | |
| Part Nr | 44-288-100 | | |
| Colour | Light grey | | |
| Material | Aluminium | | |
| Tray Pack | 8 | | |
| STP6-24M STP3-PLC STP6-8S STP3-24S STP6-12S | Splitter Nr | Max. Splices | |
| | | Shrink | Crimp |
| | | | 576 |
| | 96 | | 384 |
| | | 384 | |
| | | 576 | |
| | | 576 | |

FPT-MG2 FttX 90° House Entry



| Model | FPT-MG2 FttX 90 ° | FPT-MG2 Sealant | FPT-MG2 Wall Cover |
|-------------|-------------------|-----------------|--------------------|
| Art. Number | 50-060520-0099 | 50-060520-0098 | 50-060520-0097 |
| Tag Number | 1 | 2 | 3 |
| Material | PC/ASA | - | Galv. steel |



1: FPT-MG2 FttX 90°

Above Ground House Entry. For in- & out-door installation. UV resistant, Flame retardant, 5-12mm duct/cable, retrofit, White RAL9010. Screws & plugs included.

Complete set with 10pcs.

2: FPT-MG Sealant

310ml cadrige. Flame retardant. 1pcs.

3: FPT-MG Wall Cover

1000mm Wall cover. Galv. Steel 1pcs.



FPT-MG1 Underground House Entry

Complete Key Solution for easy installation

Pioneering design for excellent result



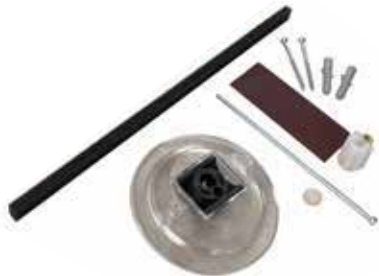
| Model | FPT-MG1 Underground House Entry | | |
|----------------|---------------------------------|----------------|----------------|
| Art. Number | 50-060520-0095 | 50-060520-0096 | 50-060520-1036 |
| Tag Number | 1 | 1 | 2 |
| Bore dimension | 20 mm | 25 mm | All |

1: FPT-MG1 Underground House Entry / tiltable
Below Ground House Entry. For out-door
installation. Gas and watertight up to 1 bar.
Horizontal and incline installation is possible due
to the smart hinge design. MG-1 is usable in all
wall thicknesses.

Photo documentation possible,
through the transparent cup,
Guarantee for perfect installation.
50-060520-0095 Ø20 bore, 7mm duct.
Complete set with 6pcs.

50-060520-0096 Ø25 bore, 7-12mm duct.
Complete set with 6pcs.

2: Tangit M3000-2K Resin
80ml cadridge accurate for 1 x installation "no material wast"



Fiber optical terminal box

Terminal box

FPT Gf-AP Hüp 1WE



| Model | FPT Gf-AP Hüp 1WE |
|------------------------|-------------------|
| Tray capacity | 2 X 12F |
| Box size | 155 x 260 x 48 mm |
| Weight | 610 g |
| IP rating | 55 |
| Adapter Capacity | 3 pcs. duplex |
| Installation | Wall mounted |
| Type | In- & outdoor |
| UV resistance | ISO 4892/2 |
| Flame resistance class | UL 94 V-0 |
| IK resistance | 07 |

| | |
|-------------------|---------------|
| Art. Number | 27-190259 |
| Trays included | Custom design |
| Adapters included | Custom design |
| Pigtails included | Custom design |

| | |
|-------------------|------------------|
| Art. Number | 27-190260 |
| Trays included | 2X 12F Crimp |
| Adapters included | 3X LC/APC Duplex |
| Pigtails included | 6X LC/APC 2m |

Fiber optical terminal box

Terminal box

FPT Gf-AP Hüp 2-3WE



| Model | FPT Gf-AP Hüp 2-3WE |
|------------------------|---------------------|
| Tray capacity | 4 X 12F |
| Box size | 200 x 280 x 65 mm |
| Weight | 915 g |
| IP rating | 55 |
| Adapter Capacity | 7 pcs. duplex |
| Installation | Wall mounted |
| Type | In- & outdoor |
| UV resistance | ISO 4892/2 |
| Flame resistance class | UL 94 V-0 |
| IK resistance | 07 |

| | |
|-------------------|---------------|
| Art. Number | 27-190269 |
| Trays included | Custom design |
| Adapters included | Custom design |
| Pigtails included | Custom design |

| | |
|-------------------|------------------|
| Art. Number | 27-190270 |
| Trays included | 2X 12F Crimp |
| Adapters included | 5X LC/APC Duplex |
| Pigtails included | 10X LC/APC 2m |

| | |
|-------------------|------------------|
| Art. Number | 27-190280 |
| Trays included | 3X 12F Crimp |
| Adapters included | 7X LC/APC Duplex |
| Pigtails included | 14X LC/APC 2m |

Fiber optical terminal box

Terminal box

FPT Gf-AP Hüp 4-23WE



| Model | FPT Gf-AP Hüp 4-23WE |
|------------------------|----------------------|
| Tray capacity | 16 X 12F |
| Box size | 430 x 350 x 110 mm |
| Weight | 3200 g |
| IP rating | 55 |
| Adapter Capacity | 48 pcs. duplex |
| Installation | Wall mounted |
| Type | In- & outdoor |
| UV resistance | ISO 4892/2 |
| Flame resistance class | UL 94 V-0 |
| IK resistance | 07 |

| | |
|-------------------|---------------|
| Art. Number | 27-190289 |
| Trays included | Custom design |
| Adapters included | Custom design |
| Pigtails included | Custom design |

| | |
|-------------------|-------------------|
| Art. Number | 27-190290 |
| Trays included | 6X 12F Crimp |
| Adapters included | 17X LC/APC Duplex |
| Pigtails included | 34X LC/APC 3m |

| | |
|-------------------|-------------------|
| Art. Number | 27-190300 |
| Trays included | 10X 12F Crimp |
| Adapters included | 25X LC/APC Duplex |
| Pigtails included | 50X LC/APC 3m |

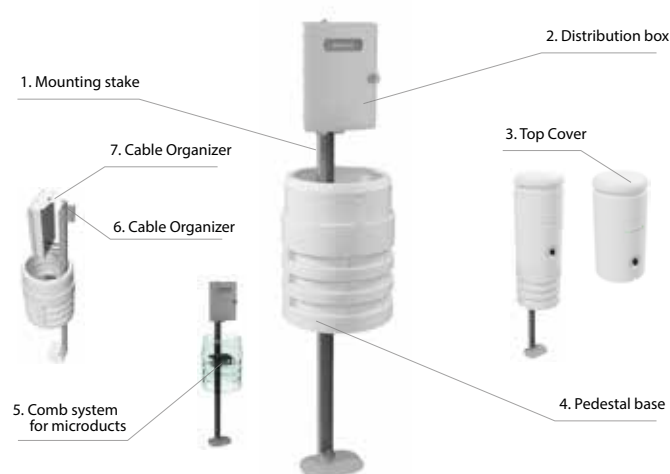
| | |
|-------------------|-------------------|
| Art. Number | 27-190310 |
| Trays included | 12X 12F Crimp |
| Adapters included | 35X LC/APC Duplex |
| Pigtails included | 70X LC/APC 3m |

| | |
|-------------------|-------------------|
| Art. Number | 27-190320 |
| Trays included | 16X 12F Crimp |
| Adapters included | 47X LC/APC Duplex |
| Pigtails included | 94X LC/APC 3m |

Street Cabinet for Microinfrastructure Distribution Cabinet FPT-SCØ



| Model | FPT-SCØ |
|------------------|------------------|
| Art. Number | 44-SCØ2884 |
| Dimensions | WxH 280 x 835 mm |
| Cabinet material | HDPE UV |



Light weight



Compact size



Long life

Designed specially for passive housing equipment. Pedestal features direct-bury base with a high rib design that do not require stake for installation. The directbury pedestal base allows a more uniform and secure installation and is less likely to lean or tilt.

An optional stake mounting part is available for joint trench or other special applications. A special cover security feature ensures that the pedestal locks properly without any special alignment.

Features and Benefits :

- IP44 Class
- 1 - 24 splices
- ø288 mm round profile provides maximum workspace and bend radius for all cables and connectors
- Round pedestal maintains a consistent look in the field
- Constructed of durable, high-strength materials for maximum security and long life service
- Universal mounting bracket for passives facilitates installation standardization and reduces inventory
- Optional stake mounting part for joint trench or other special applications
- UV-resistant

Street Cabinet for Microinfrastructure Distribution Cabinet FPT Gf-NVt Size M



| Model | FPT Gf-NVt Size M |
|------------------|---------------------------|
| Art. Number | |
| Dimensions | WxHxD 1010 x 440 x 340 mm |
| Cabinet material | Aluminium |



Excellent
mechanical
endurance



Compact size



Long life

Professional street cabinet used in FTTH projects. Excellent performance, flexible structure. For medium and large areas. Easy installation process.

Street cabinet M is an innovative solution that is the optimal balance between size, density and access. Optimal for cable protection. Comb system for easy planning, blowing and splicing documentation.

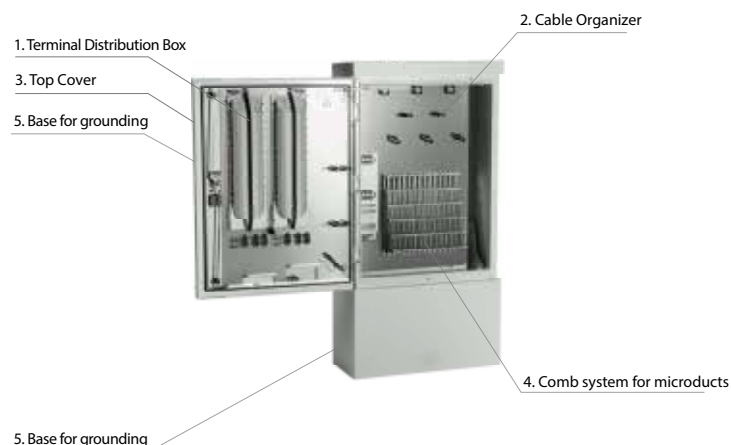
Features and Benefits :

- Housing dimensions: 1010 x 440 x 340 mm
- Lower housing part dimensions: 400 x 440 x 340 mm
- Ground pedestal dimensions: 660 x 440 x 300 mm
- Storage for up to 60 individual tubes possible
- Capacity for at least 36 SC cassettes
- Storage for at least 12 tubes up to 20 mm and 60 tubes up to 12 mm

Street Cabinet for Microinfrastructure Distribution Cabinet FPT Gf-NVt Size L



| Model | FPT Gf-NVt Size L |
|------------------|---------------------------|
| Art. Number | |
| Dimensions | WxHxD 1010 x 750 x 320 mm |
| Cabinet material | Aluminium |



Light weight



Compact size



Long life

Professional street cabinet used in FTTH projects. Excellent performance, flexible structure. For medium and large areas. Easy installation process.

Street cabinet L is a slightly bigger solution for different conditions. Optimal for cable protection. Comb system for easy planning, blowing and splicing documentation.

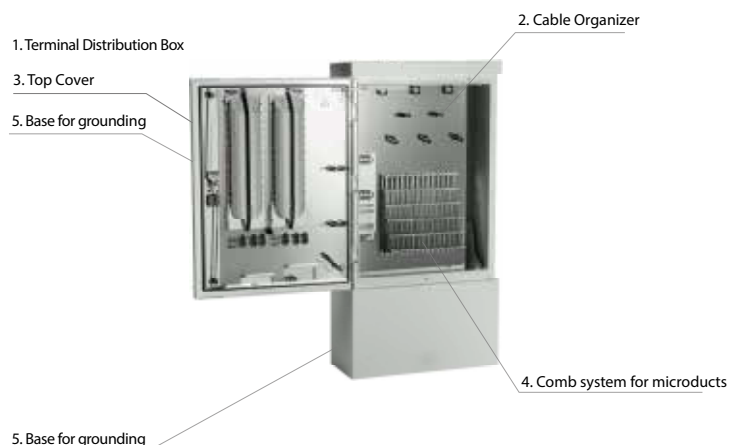
Features and Benefits :

- Housing dimensions: 1010 x 750 x 320 mm
- Lower housing part dimensions: 400 x 750 x 320 mm
- Ground pedestal dimensions: 660 x 750 x 310 mm
- Storage for up to 108 individual tubes possible
- Capacity for at least 144 SC cassettes
- Storage for 16 tubes up to 20 mm and 108 tubes up to 12 mm possible

Street Cabinet for Microinfrastructure Distribution Cabinet FPT Gf-NVt Size XL



| Model | FPT Gf-NVt Size XL |
|------------------|----------------------------|
| Art. Number | |
| Dimensions | WxHxD 1140 x 1050 x 320 mm |
| Cabinet material | Aluminium |



Light weight



Compact size



Long life

Professional street cabinet used in FTTH projects. Excellent performance, flexible structure. For medium and large areas. Easy installation process.

Street cabinet XL is a slightly bigger solution for different conditions. Optimal for cable protection. Comb system for easy planning, blowing and splicing documentation.

Features and Benefits :

- Housing dimensions: 1140 x 1050 x 320 mm
- Lower housing part dimensions: 1140 x 400 x 320 mm
- Ground pedestal dimensions: 1140 x 660 x 320 mm
- Storage for up to 144 individual tubes possible
- Capacity for at least 204 SC cassettes
- Storage for 12 tubes up to 20 mm and 144 tubes up to 12 mm possible

FPT Passive optical terminal box



| Model | FPT DW-2 |
|---------------------|---------------------------|
| Art. Number | 27-010.533 |
| Fiber Tray Capacity | 4 core |
| Protection grade | IP54 |
| Box material | Polymer synthetic plastic |
| Weight | 0.5 - 0.6 kg |
| Cable Diameter | < 12 mm |
| Installation Type | Outdoor/Indoor |
| Adapters | SC, LC |

| | Box size |
|--------|----------|
| Width | 153 mm |
| Height | 208 mm |
| Depth | 52 mm |

Professional terminal box used in FTTH projects. Excellent sealing , reusable. For outdoor & indoor installations.

Optimal for cable protection under 12mm Diameter. 1:2SC or 1:4LC micro-splitter is applicable, and it also can be installed with SC or LC double core adapters.


Maximum of LC adapter is 4 cores while 2 cores is the maximum for SC adapter.

Heatshrink splice seams



| Size in mm | Article Number | MOQ |
|------------|----------------|--------|
| 1,0x 45 | 27-010.1605 | 100pcs |

Crimp splice seams



| Size in mm | Article Number | MOQ |
|------------|----------------|--------|
| 30x3x1,2 | 27-010.1614 | 150pcs |

FPT Passive optical terminal box



| Model | FPT DW-1 |
|---------------------|---------------------------|
| Art. Number | 27-010.531 |
| Fiber Tray Capacity | 12 core |
| Protection grade | IP54 |
| Box material | Polymer synthetic plastic |
| Weight | 0.5 - 0.6 kg |
| Cable Diameter | < 12 mm |
| Installation Type | Outdoor/Indoor |
| Adapters | SC, LC |

| | Box size |
|--------|----------|
| Width | 175 mm |
| Height | 210 mm |
| Depth | 50 mm |

Professional terminal box used in FTTH projects. Excellent sealing , reusable. For outdoor & indoor installations.


Optimal for cable protection under 12mm Diameter. 1:2SC or 1:4LC micro-splitter is applicable, and it also can be installed with SC or LC double core adapters.

Maximum of LC adapter is 4 cores while 2 cores is the maximum for SC adapter.

Heatshrink spliceseams

|  | | |
|--|----------------|--------|
| Size in mm | Article Number | MOQ |
| 1,0x 45 | 27-010.1605 | 100pcs |

Crimp spliceseams

|  | | |
|--|----------------|--------|
| Size in mm | Article Number | MOQ |
| 30x3x1,2 | 27-010.1614 | 150pcs |

FPT Passive optical terminal box



| Model | FPT DW-3 |
|---------------------|---------------------------|
| Art. Number | 27-010.534 |
| Fiber Tray Capacity | 24 core |
| Protection grade | IP54 |
| Box material | Polymer synthetic plastic |
| Weight | 0.9 - 1.0 kg |
| Cable Diameter | < 12 mm |
| Installation Type | Outdoor/Indoor |
| Adapters | SC, LC |

| | Box size |
|--------|----------|
| Width | 186 mm |
| Height | 258 mm |
| Depth | 61 mm |

Professional terminal box used in FTTH projects. Excellent sealing, reusable. For outdoor & indoor installations.


Optimal for cable protection under 12mm Diameter. 1:8SC or 1:16LC micro-splitter is applicable, and it also can be installed with SC double cores or 4 cores LC adapters.

Maximum of LC adapter is 24 cores while 12 cores is the maximum for SC adapter.

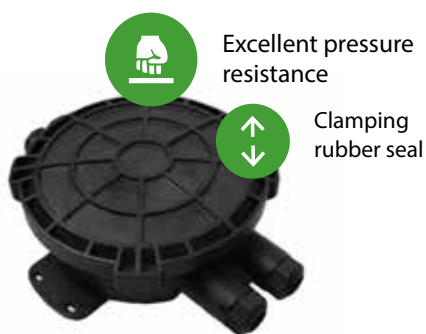
Heatshrink spliceseams

|  | | |
|--|----------------|--------|
| Size in mm | Article Number | MOQ |
| 1,0x 45 | 27-010.1605 | 100pcs |

Crimp spliceseams

|  | | |
|--|----------------|--------|
| Size in mm | Article Number | MOQ |
| 30x3x1,2 | 27-010.1614 | 150pcs |

FPT Splice closure



| Model | FPT - 9401 |
|---------------------|--------------------------|
| Fiber Tray Capacity | - |
| Protection grade | IP68 |
| Box material | modified polymer plastic |
| Weight | 2.1 - 2.3 kg |
| Cable Diameter | under 18 mm |
| Installation Type | Outdoor |
| Adapters | SC, LC, E2000 |

| | Box size |
|--------|----------|
| Width | 295 mm |
| Height | 220 mm |
| Depth | 90 mm |

Professional Splice closure used in FTTx projects. Used for outdoor installations (Manhole, Wall/ Pole-mounted)

Easy to use and install, provides security for fiber optic connections. Resistant to pressure, twisting and crushing. Suitable for usage with the various optical cables. Excellent sealing performance and compact appearance.

Can be equipped with a powerful RFID card used for tagging underground cable or pipe infrastructures, manholes, access points and more.

Turtlebox



| Size | Article Number | Splices |
|------|----------------|------------|
| 24 | 27-001.62 | Heatshrink |
| 24 | 27-001.62.08 | Crimp |

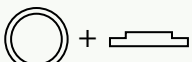

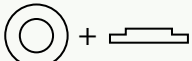

Turtlebox empty



| Size in mm | Article Number |
|------------|----------------|
| - | 27-001.62.07 |

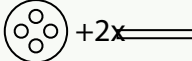

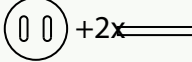

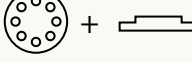

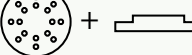



Standard Sealings

| Round Seals | Seal gasket parts | Cable size |
|-------------|---|----------------|
| 14#X2 PCS. |  +  | ø 12 - 17,5 mm |
| 41#X2 PCS. |  +  | ø 8 - 12,0 mm |

| Oval Seals | Seal gasket parts | Cable size |
|------------|---|---------------|
| 40#X1 PCS. |  | ø 10- 16,0 mm |

Optional Sealings

| Round Seals | Seal gasket parts | Cable size |
|-------------|--|----------------------------|
| 20# |  + 2x  | 4 x (ø 5-7 mm) |
| 36# |  + 2x  | 2 x (4,5*8,2 mm) |
| 18# |  +  | 8 x (ø 3-5 mm) |
| 19# |  +  | 8 x 8 figure soft ø5 mm |

| Oval Seals | Seal gasket parts | Cable size |
|------------|---|------------|
| 74# |  | ø 6 - 8 mm |

Heatshrink splice seams



| Size in mm | Article Number | MOQ |
|------------|----------------|--------|
| 1,0x 45 | 27-010.1605 | 100pcs |

Crimp splice seams



| Size in mm | Article Number | MOQ |
|------------|----------------|--------|
| 30x3x1,2 | 27-010.1614 | 150pcs |

Fiber Distribution Closures(FDC) Dome Base Type



| Name | FPT-AA | | | FPT-AB | | | FPT-AC | | | FPT-ABT | | |
|-----------|-------------------|--------------|-------|-------------------|--------------|-------|-------------------|--------------|-------|-------------------|--------------|-------|
| Size | Ø300 x h380 | | | Ø300 x h505 | | | Ø300 x h630 | | | Ø300 x h505 | | |
| Part Nr | 43-17.190.500-737 | | | 43-17.190.500-738 | | | 43-17.190.500-828 | | | 43-17.190.500-973 | | |
| Tray Pack | 6 | | | 14 | | | 20 | | | 4 | | |
| | Splitter Nr | Max. Splices | | Splitter Nr | Max. Splices | | Splitter Nr | Max. Splices | | Splitter Nr | Max. Splices | |
| | | Shrink | Crimp | | Shrink | Crimp | | Shrink | Crimp | | Shrink | Crimp |
| STP6-24M | | | 432 | | | 1008 | | | 1440 | | | 288 |
| STP3-PLC | 36 | | 288 | 84 | | 673 | 120 | | 960 | 24 | | 192 |
| STP6-8S | | 288 | | | 672 | | | 960 | | | 192 | |
| STP3-24S | | 432 | | | 1008 | | | 1440 | | | 288 | |
| STP6-12S | | 432 | | | 1008 | | | 1440 | | | 288 | |

Fiber Distribution Closures(FDC) Compact Base Type



| Name | FPT-CAA | | | FPT-CAB | | |
|-----------|--------------------|--------------|-------|--------------------|--------------|-------|
| Size | 150 x 240 x 320 mm | | | 150 x 240 x 390 mm | | |
| Part Nr | 43-17.190.500-A67 | | | 43-17.190.500-A68 | | |
| Tray Pack | 2 | | | 4 | | |
| | Splitter Nr | Max. Splices | | Splitter Nr | Max. Splices | |
| | | Shrink | Crimp | | Shrink | Crimp |
| STP6-24M | | | 144 | | | 288 |
| STP3-PLC | 12 | | 96 | 24 | | 192 |
| STP6-8S | | 96 | | | 192 | |
| STP3-24S | | 144 | | | 288 | |
| STP6-12S | | 144 | | | 288 | |

Suitable for outdoor use with wall and pole mounting kits, it can support PLC splitter installation as well. UV resistant, RoHS compliant and IP68 certified solution.



Mechanical cold seals

Oval, round ports compatibility - all FPT-AA/AB/AC/ABT and FPT-CAA /CAB closures.






| | Seal Type | Number of ports | Sealing Range | Product Number |
|---------------------|---|-----------------|------------------|-------------------|
| Oval cold seal 2x |  | 2x16 mm Ports | Cable Ø 5-16 mm | 43-17.750.500-633 |
| Oval cold seal 2x |  | 2x20 mm Ports | Cable Ø 7-20 mm | 43-17.750.500-A19 |
| Oval cold seal 4x |  | 4x10 mm Ports | Cable Ø 5-10 mm | 43-17.750.500-A21 |
| Round cold seal 1x |  | 1x16 mm Port | Cable Ø 10-16 mm | 43-17.750.500-862 |
| Round cold seal 1x |  | 1x20 mm Port | Cable Ø 16-20 mm | 43-17.750.500-A20 |
| Round cold seal 2x |  | 2x12 mm Ports | Cable Ø 8-12 mm | 43-17.750.500-861 |
| Round cold seal 4x |  | 4x8 mm Ports | Cable Ø 5-8 mm | 43-17.750.500-634 |
| Round cold seal 4x |  | 4x10 mm Ports | Cable Ø 6-10 mm | 43-17.190.500-A00 |
| Round cold seal 8x |  | 8x7 mm Ports | Cable Ø 3-7 mm | 43-17.750.500-762 |
| Round cold seal 12x |  | 12x4 mm Ports | Cable Ø 0-4 mm | 43-17.750.500-A07 |

Heatshrink seals


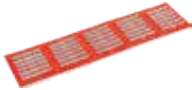
Oval, round ports compatibility - all FPT-AA/AB/AC/ABT and FPT-CAA /CAB closures.

| | Seal Type | Product Number |
|----------------------------|---|-------------------|
| Oval port heatshrink seal |  | 43-17.750.500-789 |
| Round port heatshrink seal |  | 43-17.750.500-770 |




Splice Tray Packs (STP)

| | Seal Type | Splice Capacity | Fiber Compatibility | Product Number |
|------------------------------|--|---------------------------------------|--|-------------------|
| Splice tray Pack STP6-24M |  | CRIMP/ANT 72 Splices | Fiber compatibility G.652 and G.657. Fiber 250 µm storage length x splice side: <0,75m | 43-17.150.500-700 |
| Splice tray Pack STP3-PLC |  | CRIMP/ANT 6 PLC with 48 splices | Fiber compatibility G.652 and G.657 Fiber 250 µm storage length x splice side: <1,2m | 43-17.150.500-701 |
| Splice tray Pack STP3-24S |  | SHRINK 72 splices | Fiber compatibility G.652 and G.657 Fiber 250 µm storage length x splice side: <2m | 43-17.150.500-703 |
| Splice tray Pack STP6-12S |  | SHRINK 72 splices | Fiber compatibility G.652 and G.657 Fiber 250 µm storage length x splice side: <1,5m | 43-17.190.500-A18 |
| Splice tray Pack STP6-8S |  | SHRINK 48 splices | Fiber compatibility G.652 and G.657 Fiber 250 µm storage length x splice side: <2m | 43-17.150.500-702 |

Spliceseams

| | Spliceseam Type | Size and Details | Product Number |
|---------------------------|---|---------------------------------|----------------|
| Heatshrink spliceseams |  | 1,0x 45,0 mm 100pcs / bag | 27-010.1605 |
| Crimp spliceseams |  | 30,0x3,0x1,2 mm 150pcs / bag | 27-010.1614 |

Mounting kits

| | Kit Type | Compatibility | Product Number |
|---|---|----------------|-------------------|
| Pole mounting bracket |  | FPT-AX models | 43-17.150.500-826 |
| Wallmounting Kit FPT-AX dome |  | FPT-AX models | 43-17.150.500-654 |
| Wall mounting Kit FPT-CAX compact |  | FPT-CAX models | 43-17.150.500-C25 |

Racksystem Patchmodul Type 1 - Set



| Model | Patchmodul Type 1 |
|-------------------|-------------------|
| Art.Nr. | 43-0903.01 |
| Dimensions WxHxD | 900x2174x300 mm |
| Cabinet material | painted Steel |
| Weight Racksystem | 51,48 kg |
| Weight Set | 172.08 kg |
| Standards | EIA/IEC/DIN |
| Colour | light grey |

Racksystem Patchmodul Type 1 is provided with XODF Rack and other steel parts in light grey 7035 RAL colour.

FPT Rack height can be adjusted via four foot mountings in the bottom. Additional racks can be added on the sides or on the backside. Cable entrance is on the top/bottom of both sides or on the top/bottom of the Racksystem.

Racksystem is provided with 32 Pcs. Patch Panels 72 splices each that allows total of 2304 splices.

Optimal for cable protection.

Comb system for easy splicing documentation.

Standards

- EIA-310-E
- IEC297-2
- DIN41491 PART 1
- DIN41494 PART 7
- GB/T3047.2-92 standard
- compatible with ETSI standard

Racksystem Patchmodul Type 1 - overview

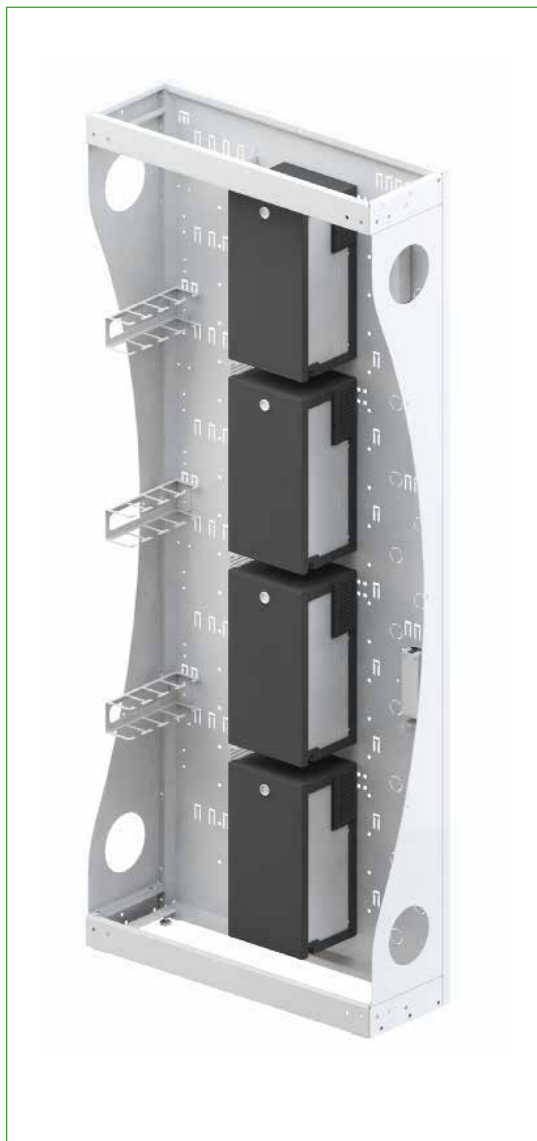


Features and Benefits

- Multifunctional use in the FTTx and data center areas
- Front access for easy patching
- Adjustable height
- Additional racks can be added on the sides or back to back
- Patch Cable Management
- 32 Pcs. Patch Panels 72 splices each
- Total 2304 splices
- Cable entrance top/bottom both sides
- Small series on customers demand

- 1 Patch moduls are designed as a flexible and modular system with high fiber density. Ready for splicing.
- 2 A high patch panels density with intelligent cable management. It provides fast, intuitive and easy deployment.
- 3 Patch cable overlength can be layed down over Cable Managment Set Elements.
- 4 Comb system as a part of the cable managment system (CMS)

Racksystem Splicebox Type 2 - Set



| Model | Patchmodul Type 2 |
|-------------------|-------------------|
| Art.Nr. | 43-0903.02 |
| Dimensions WxHxD | 900x2174x300 mm |
| Cabinet material | painted Steel |
| Weight Racksystem | 51,48 kg |
| Weight Set | 74.32 kg |
| Standards | EIA/IEC/DIN |
| Colour | light grey |

Racksystem Splicebox Type 2 is provided with XODF Rack and other steel parts in light grey 7035 RAL colour.

FPT Rack height can be adjusted via four foot mountings in the bottom. Additional racks can be added on the sides or on the backside. Cable entrance is on the top/bottom of both sides or on the top/bottom of the Racksystem.

Racksystem is provided with 4 Pcs. Spliceboxes 288 splices each that allows total of 1152 splices.

Optimal for cable protection.

Comb system for easy splicing documentation.

System elements

- XODF Rack 1x
- Backside CMS Panel 1x
- Splicebox 288 splices 4x
- Splicebox Comb set 4x
- Comb system set 3x
- Cable organizer 2x

Racksystem Splicebox Type 2 - overview



Features and Benefits

- Multifunctional use in the FTTx and data center areas
- Front access for easy patching
- Adjustable height
- Additional racks can be added on the sides or back to back
- Cable Management
- 4 Pcs. Spliceboxes 288 splices each
- Total 1152 splices
- Cable entrance top/bottom both sides
- Small series on customers demand

- 1 Racksystem Splicebox Type 2 is provided with 4 Spliceboxes - splice capacity 288 splices each.
- 2 Intelligent cable management provides fast, intuitive and easy deployment.
- 3 Comb system as a part of the cable management system (CMS)
- 4 Splice Cassettes organizer

FPT Kat Micro



| Model | FPT Kat Micro |
|--------------------|---------------|
| Article Number | 70-78252 |
| Tube Size (OD) | 7-20 mm |
| Max. Pushing Force | 180 N |
| Install Speed to | 100 m/min |
| Distance | 2.5 km |
| Fiber/Cable Ø | 3-8 mm |
| RCMD Pressure | 7 bar |

| | Machine |
|--------|---------|
| Length | 330 mm |
| Width | 220 mm |
| Height | 280 mm |
| Weight | 7 kg |

High Performance

FPT Kat Micro has a user friendly design, that makes for easy operation. The machine is designed with the main focus on functionality that includes:

The cable blowing machine type FPT-KAT Micro may be used for the installation of sensitive micro-cables into micro-duct in just one procedure using compressed air.

During the blow-in operation the micro-cable is passing the cabling caterpillar. The integrated compressed-air connector consists of a two-piece aluminium casing.

Split sealing washers hermetically surround the cable to be blown-in.

The cable is driven forward by the air supplied from a suitable compressor. Air regulation is done by a valve which is integrated into the machine.

Two drive belts guarantee an excellent closed linkage to the cable. The upper belt can manually be moved up and down.

The aluminium-frame construction of the caterpillar guarantees stability, long operating life and light weight.

Accessories

- All of our machines are delivered with aluminium carrying case
- Sealing kit for cable diameters of 3-8 mm and external duct diameters of 10 mm
- Compressed air hose 10 m

All You need is air

FPT-KAT Mini

High Performance

The cable blowing machine type FPT-KAT Mini may be used for the installation of sensitive micro-cables into microducts in just one procedure using compressed air.

During the blow-in operation the micro-cable is passing the cabling caterpillar. The integrated compressed-air connector consists of a two-piece aluminium casing.

Split sealing washers hermetically surround the cable to be blown-in.

The cable is driven forward by the air supplied from a suitable compressor. Air regulation is done by a valve which is integrated into the machine.

Two drive belts guarantee an excellent closed linkage to the cable. The upper belt can manually be moved up and down.

The electronic measuring device displays the blown-in cable length as well as the cable speed during blowing work.

The aluminium-frame construction of the caterpillar guarantees stability, long operating life and light weight.

Accessories

- All of our machines are delivered with aluminium transport box / working platform
- Electronic speed/meter counter
- Adapter for cable OD 3-12mm
- Adapter for duct OD 10-12-14-16-20 mm
- Sparebelt
- Gaskets set for fiber cable 3-12mm / duct 10-20 mm
- 10 meter 3/4" airhose with claw couplers

All You need is air



| Model | FPT Kat Mini |
|--------------------|-------------------|
| Article Number | 70-77955 |
| Tube Size (OD) | 7-20 mm |
| Max. Pushing Force | 40 kg/400 N |
| Install Speed to | 140 m/min |
| Distance | 3.5 km |
| RCMD Airflow | 500 - 10000 l/min |
| RCMD Pressure | max 7 bar |
| Fiber/Cable Ø | 3-12 mm |

| | Machine |
|--------|---------|
| Length | 540 mm |
| Width | 240 mm |
| Height | 290 mm |
| Weight | 12 kg |

FPT-KAT Mini Log Box



| Model | FPT Kat Mini Log Box |
|--------------------|----------------------|
| Article Number | 70-77995 |
| Tube Size (OD) | 7-20 mm |
| Max. Pushing Force | 40 kg/400 N |
| Install Speed to | 140 m/min |
| Distance | 3.5 km |
| RCMD Airflow | 500 - 10000 l/min |
| RCMD Pressure | max 7 bar |
| Fiber/Cable Ø | 3-12 mm |

| | Machine |
|--------|---------|
| Length | 540 mm |
| Width | 240 mm |
| Height | 290 mm |
| Weight | 15 kg |

High Performance

Through the electronic measure system is the FPT-KAT Mini Log Box innovation on the fiber blowing equipment market and is listed as approved by Deutsche Telekom. All relevant data are automatically recorded and output as PDF in the USB port for data transfer.

Features

1. Jetting data logging

- Jetting length, cable speed
- Engine pressure
- Push force on the cable
- Air pressure in the duct
- Environmental data (GPS, temperature, etc.)

2. Frame parameter preselection

- Duct, cable information
- Construction project, section
- Compressor, etc.

3. Diagram Live View

Accessories

- All of our machines are delivered with aluminium transport box / working platform
- Adapter for cable OD 3-12mm
- Adapter for duct OD 10-12-14-16-20 mm
- Sparebelt
- Gaskets set for fiber cable 3-12mm / duct 10-20 mm
- 10 meter 3/4" airhose with claw couplers

All You need is air

FPT MultiFlow

User friendly design

FPT MultiFlow has a user friendly design, which makes the machine easy to operate. The machine is designed with main focus on functionality that makes cable blowing is easy.

Efficient cable blowing

FPT MultiFlow is a very efficient cable blowing machine. It can blow cables with a speed up to 80 m/min. It is possible to blow distances up to 10 km.

Cable blowing using either air or water

With FPT MultiFlow it is possible to install fiber optic cables using either air or water. With water assisted cable blowing you can achieve optimal results, especially when installing larger cables or blowing long distances.

Robust construction

FPT MultiFlow is constructed in a way that it is robust and can withstand being used as the special conditions there sometimes are at a cable blowing location are taken into account.

Flexibility

Fiber MultiFlow is very flexible as the machine can be quickly changed to blow different sizes and numbers of micro ducts. There are many different sizes and combinations available to fit the different dimensions needed in a specific situation.



| Model | FPT MultiFlow |
|--------------------|------------------|
| Article Number | 70-101-40002 |
| Tube Size (OD) | 18-70 mm |
| Max. Pushing Force | 200 kg |
| Install Speed to | 80 m/min |
| Distance | Up to 10 km* |
| RCMD Airflow | 8000-12000 l/min |
| RCMD Pressure | 8-12 bar |
| Fiber/Cable Ø | 8-32 mm |

| | Machine |
|--------|---------|
| Length | 700 mm |
| Width | 230 mm |
| Height | 350 mm |
| Weight | 40 kg |

| 32mm | 40mm | 50mm | MICRODUCT RELINER |
|------|------|------|-------------------|
| 5x | 8x | 12x | 7 / 5,5 mm |
| 3x | 5x | 7x | 10 / 8 mm |
| - | 3x | 5x | 12 / 8 mm |
| - | - | 4x | 14 / 11,5 mm |

The following equipment is needed to run:

- Hydraulic pump + control valve.
- High pressure compressor + hoses.

We offer all accessories on request.

Full training - theory and practice - is always provided.

Jetting machine accessories

Adaptor for air Claw - cejn



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| - | 70-103-30154 | 1 |

Pressure reducer 0,5 -16 bar



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| - | 70-101-30122 | 1 |

Water separator Cejn Couplings



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| - | 70-99904 | 1 |

Tips for fiber cable



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 1,2-14 | 70-103-KXX | set |

3/4" flat hose 10 mtr. w. claw couplings



| Size | Article Number | MOQ |
|------|----------------|-----|
| 10 m | 70-101-30510 | 1 |

10 mtr. soft hose w. Cejn



| Size | Article Number | MOQ |
|------|----------------|-----|
| 10 m | 70-101-30155 | 1 |

Blow back valve



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| - | 70-99901 | 1 |

Product description

- Pressure test equipment 0,5 -10 bar
- Used to blow back the cable

Duct adaptors for back valve



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 5,0-20,0 | 70-99902 | 1 |

Product description

- Duct adaptors for blow back valve – pressure test equipment.
- Sizes from 5 – 20 mm.

Jetting machine accessories

Drive Belts for FPT-KAT Mini



| Grooves | Article Number |
|-----------------|----------------|
| without grooves | 70-79-77610 |
| grooves 3-6 mm | 70-79-77071 |
| grooves 10 mm | 70-79-76895 |

Sealing for FPT-KAT Mini



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 2,5 -20 | 70-79-0XXX | set |

Microflow Adaptor Plate Kits 1,5x5 to 6,8x16mm



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| - | 70-103-1XXXXX | set |

Gaskets for FPT Microflow 0,8x5 to 6,5x16mm



| Size in mm | Article Number | MOQ |
|------------|------------------|-----|
| - | 70-103-1307XXXXX | set |

Nanoflow Adaptor Plate Kits 1,0-4,8mm



| Size | Article Number | MOQ |
|------|------------------|-----|
| - | 70-103-160XXXXXX | 1 |

Nanoflow Duct Adaptor 3,0- 12,7mm



| Size | Article Number | MOQ |
|------|----------------|-----|
| - | 70-103-1XXXXXX | 1 |

Quality control system

Compact Receiver



The FPT Compact Receiver is an affordable and easy-to-use wire, cable, and duct sonde locator. For indoor and outdoor use.

Outdoors the FPT Compact Receiver can be used to trace and pinpoint underground cables and sondes in several meter's depth.

The FPT Compact Receiver has a simple user interface with only two buttons for power on/off, 7-step gain adjustment and change of receiving frequency, 13 LED lights and a build in speaker. The probe is easy to disconnect making it perfect for carrying in a pocket. Supports 33 kHz and 10 kHz, and 512 kHz sondes.

Key features

- Stainless steel and aluminum
- Dimensions: 336 x Ø46 mm
- Weight: 320g (with probe and 3 x AAA batteries).

Carrying case with plenty of space for accessories, such as sondes and additional probes.

Transmitters

Micro duct transmitters specially developed, used for calibrating and quality control of the micro duct, trackable for locating blockages other issues, before jetting fiber cables into the ducts. Remember to use the FPT safety catch on the duct end for your safety.

Nano transmitter



Key features

- Length 94 mm
- Max. air pressure 6 bar
- Min. inside diameter of duct 6 mm
- Battery operating time 20°C - 9 h

Transmitter

Micro transmitter 33kHz

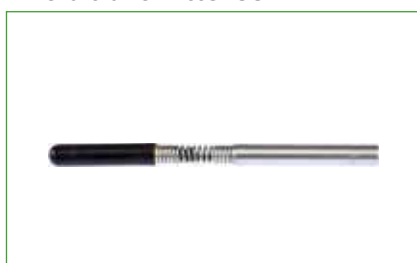


| Size | Article Number | MOQ |
|-------|----------------|-----|
| 6,4mm | 70-102-6,4 | 1 |

Key features

- Length 84 mm
- Max. air pressure 6 bar
- Min. diameter of duct 8 mm
- Battery operating time 20°C - 10 h

Micro transmitter 33kHz

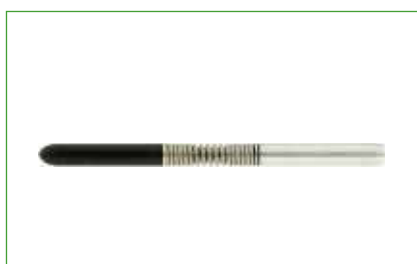


| Size | Article Number | MOQ |
|-------|----------------|-----|
| 7,0mm | 70-102-7 | 1 |

Key features

- Length 114 mm
- Max. air pressure 6 bar
- Min. diameter of duct 10 mm
- Battery operating time 20°C - 9 h

Mini transmitter 33kHz



| Size | Article Number | MOQ |
|-------|----------------|-----|
| 9,0mm | 70-102-9 | 1 |

Key features

- Length 138 mm
- Max. air pressure 6 bar
- Min. diameter of duct 12 mm
- Battery operating time 20°C - 10 h

PL18 transmitter 33kHz



| Size | Article Number | MOQ |
|--------|----------------|-----|
| 18,0mm | 70-102-18 | 1 |

Key features

- Length 85 mm
- Max. air pressure 10 bar
- Min. diameter of duct 21 mm
- Battery operating time 20°C - 20 h

Transmitters

Shock absorbers



| Size | Article Number | MOQ |
|------|----------------|-----|
| - | 70-102-XXX | 1 |

Description

- FPT shock absorbers absorb excessive kinetic energy and reduce the risk of the probe breaking if the probe hits an obstacle while jetting. Therefore, it is recommended to use a shock absorber whenever possible.

Transmitter sonde batteries



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 4,6 & 6,4 | 70-102-6bat | 10 |
| 7,0 & 9,0 | 70-102-9bat | 10 |
| 18 | 70-102-18bat | 1 |

Calibration head 12 mm



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 12 | 70-310717.12 | 1 |

Calibration heads 22-30 mm



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 22-30 | 79-310717.size | 1 |

Silicone sealings 28-42 mm



| Size in mm | Article Number | MOQ |
|------------|------------------|-----|
| 28-42 | 70-102-KA1079-XX | 1 |

Lubricants

FPT Lubric Pipe 25-60mm



| Size | Article Number | MOQ |
|-------|--------------------|-----|
| 500ml | 70-LUBRIC/PIPE 0,5 | 12 |
| 25l | 70-LUBRIC/PIPE 25 | 1 |

FPT Lubric Super S5000 FPT Lubric Super W5000 Winter



| Size | Article Number | MOQ |
|-------|---------------------|-----|
| 500ml | 70-LUBRIC S5000 0,5 | 15 |
| 25l | 70-LUBRIC S5000 25 | 1 |
| 500ml | 70-LUBRIC W5000 0,5 | 15 |
| 25l | 70-LUBRIC W5000 25 | 1 |

FPT Lubric Green Water



| Size | Article Number | MOQ |
|------|--------------------|-----|
| 25l | 70-Lubric Green 25 | 1 |

Water based

A special water based lubricant for fiber optical installations. LUBRIC allows to prelube the pipe or cable before/during the blowing procedure.

It adheres perfectly to the cable or internal pipe surface and leaves a very tiny film. Lubric protects cables against dirt and retains its lubricating power even when water is present.

LUBRIC reduces surface friction and increases the blowing distance. Due to it's consistency, fluidity and low evaporation rate, LUBRIC is recommended for all cable/pipe installations.

Materials

Water emulsion of different kind of polymers

Technical Specification:

- Green liquid
- None odour
- Viscosity 120 sec. Ford cup diam. mm 4 at 20°C
- Mass Density 1,030 (+/-) 0,03 gr/cm³
- PH 7,5 (+/-) 0,5
- Non Inflammable
- Temperature -5°C to +70°
- Temperature Lubric Super5000Winter : -10°C to +70° C
- Temperature Lubric Super5000 : 0°C to +70° C
- Biodegradable
- Non-toxic

Suggested quantities

- 5 ml x 1000 m for internal Ø 4 mm
- 10 ml x 1000 m for internal Ø 8 mm
- 15 ml x 1000 m for internal Ø 12 mm
- 20 ml x 1000 m for internal Ø 14 mm
- 25 ml x 1000 m for internal Ø 16 mm
- 35 ml x 1000 m for internal Ø 20 mm
- 60 ml x 1000 m for internal Ø 25-30 mm
- 70 ml x 1000 m for internal Ø 30-40 mm
- 80 ml x 1000 m for internal Ø 40-60 mm

Rolling rack for cable



| Model | FPT Drum Rack |
|----------------------|------------------|
| Art.Nr. | 79-140918-99 |
| Min.Ext.Dimensions | 740x670x610 mm |
| Max.Ext.Dimensions | 1040x1000x610 mm |
| Weight (whole set) | 39 kg |
| Weight (frame) | 35 kg |
| Rack material | Galvanized steel |
| Axles | Aluminium |

Danish-made, high quality, adjustable, rolling rack designed for use with both small and medium fiber drums.

Smart design makes it possible to adjust the width of the stand, so it is ideal for use in the car.

Set Components

- Flexible steel frame (galvanized steel)
- H & V lifting towers with hand crank (galvanized steel)
- 4 x ball bearings (galvanized steel)
- 2 x axle cones (aluminum)
- 1 x standard axle L = 1040 mm (aluminum)
- 1 x short axle L = 740 mm (aluminum)
- 1 x allen key (6 mm)
- 2 x pre-mounted spirit levels
- 4 x quick release pins

Additional Components

- Drumrack lock
- 1 x long axle L = 1240 mm (aluminum)
- 2 x axle cones Ø 90-109 mm (aluminum)
- Drumrack I-brake

Features

- Max. load 500 kg
- Drum diameters Ø 400-1250 mm
- Drum width 200-800 mm
- Drum hole diameter Ø 60-89 mm

Drumrack Cones Set



Drumrack lock (L+R Set)



Features

Fiberpowertech Drumrack-Lock set is a direct fit to the Fiberpowertech Drumrack, easy to use coil/spring-mechanism lets you secure the drumrack with ease.

Only sold as a set, left + right.

Drumrack Long Axle



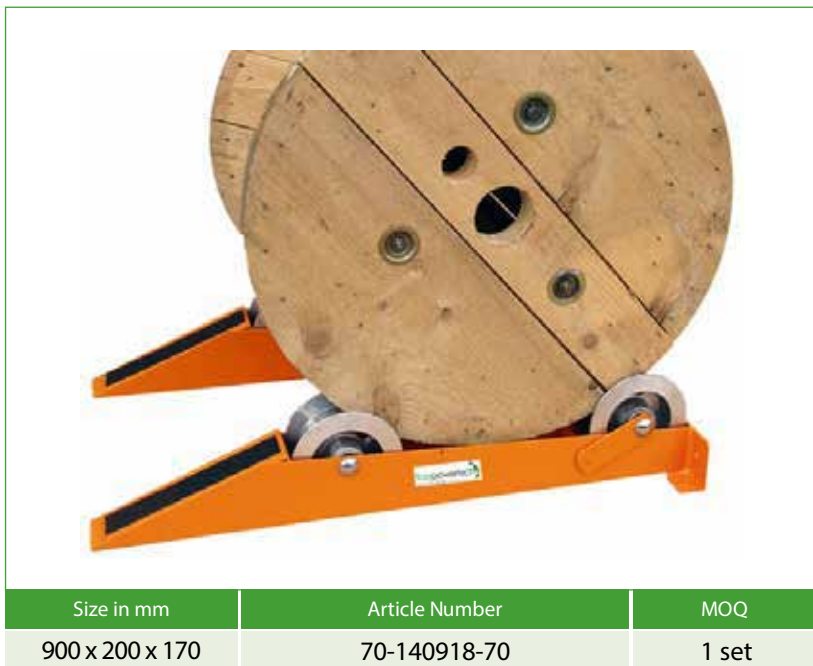
Drumrack I-Brake



Features

Fiberpowertech Drumrack I-Break set is a direct fit to the Fiberpowertech Drumrack, allows to control the speed of uncoiling the drum and blocking it.

Drumrack - cableducts



Features

Adaptation to different drum diam. by changing the position of the rear rollers. Stable aluminium rollers with ball bearings for drum flanges of 55 mm width. Braking device (available as accessory)

Load : 1000 kg
Drum diameter : 300 - 1600 mm
Weight : 20,6 kg (set)

Rolling rack for cable



Danish-made, high quality, adjustable, rolling rack designed for use with both medium and large fiber drums. Easy to assemble and disassemble.

Set Components

- 1x Frame (Left + Right)
- 2x Cones (Left + Right)
- 1x Axle 1100mm
- 1x Axle-end W.Bearings (Left + Right)

Additional Components

- Crossbar w. push-pins
- Brake Set
- 700mm Axle
- 1200mm Axle

Features

- Max. load 1000 kg
- Drum diameters Ø 600-1250 mm
- Drum width 200-900 mm
- Drum hole diameter Ø 68-110 mm

| Model | FPT PRO Drum Rack |
|------------------|-------------------|
| Art.Nr. | 79-021120-0099 |
| Dimensions L + R | 310x860x180 mm |
| Drum Size OD | Ø 600-1250 mm |
| Weight L + R | 13 kg |
| Max. Load | 1000 kg |
| Rack material | Galvanized steel |
| Axles | Aluminium |

FPT PRO Brake Set



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| - | 79-161120-0010 | 1 |

Features

Complete brake set with hydraulic 4-Piston brake caliber, brake handle, mount and tripod.

Cable length 5 meters.

Axle-Ends L+R



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| - | 79-161120-0008 | L+R |

Features

Complete set with ball bearings.

Drumrack Axles



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| 700-1200 | 79-161120-3013 | 1 |

Features

Fiberpowertech Drumrack Axles together with Cones set allow to handle bigger drum sizes.

Drumrack Cones Set



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| - | 79-161120-0009 | L+R |

Crossbar with push-pins



| Size in mm | Article Number | MOQ |
|------------|----------------|-----|
| - | 79-161120-0011 | 1 |

DrumRack Mini for cable drums



| Model | DrumRack Mini |
|----------------------|----------------|
| Art.Nr. | 79-240621-0020 |
| Rack material | Galv. steel |
| Max.Ext.Dimensions | 650x450x945 mm |
| Weight (whole set) | 12,5 kg |
| Drum size max. | 600 mm |
| Axle | Steel |

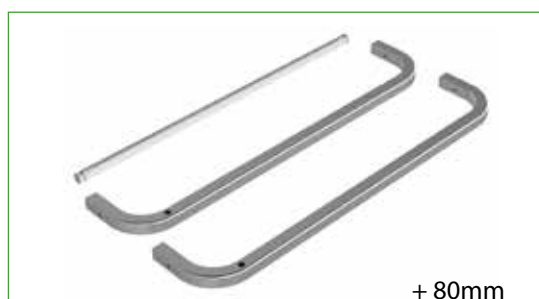
FPT DrumRack Mini for micro fiber cable drums.
Provided with cones and ball bearings for the best results.
Light weight construction, easy to transport.

Set Components

- Flexible steel frame (galvanized steel)
- Provided with cones and ball bearings

Features

- Max. load 100 kg
- Drum width max. 440 mm (+80mm optional)
- Drum size max. Ø 600 mm
- Drum center Ø min/max 40-90 mm
- Weight 12,5



| Model | DrumRack Mini, Long axle kit |
|----------|------------------------------|
| Art.Nr. | 79-240621-0025 |
| Material | Galv. steel |



| Model | DrumRack Mini, wheel kit |
|-----------|--------------------------|
| Art.Nr. | 79-240621-1000 |
| Dimension | Ø100 mm |



FPT Portable Air Compressor

High pressure compressors specially developed for blowing in fiber cables.

Future-oriented and environmentally friendly "Low Emission Zone MOBILAIR" gives you minimum values of harmful substances according to the European IIIB Exhaust Gas Standard 2021.

| Model | M17 | M27 | M122 | M125 |
|----------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|
| Article Number | 70-101-30118 | 70-101-30131 | 70-105-122 | 70-101-30051 |
| Flow Rate | 1.0 m ³ / 35 cfm | 2.6 m ³ / 92 cfm | 11.1 m ³ / 390 cfm | 11.5 m ³ / 405 cfm |
| Max. Pressure | 15 bar/215 psi | 14 bar/200 psi | 14 bar/200 psi | 14 bar/200 psi |
| Engine | Petrol | Diesel | Diesel | Diesel |
| Fuel | 20 L | 40 L | 170 L | 170 L |
| Power | 15.5 kW | 17.9 kW | 83 kW | 105 kW |
| Weight | 204 kg | 575 kg | 1865 kg | 2080 kg |
| Towable | - | X | X | X |

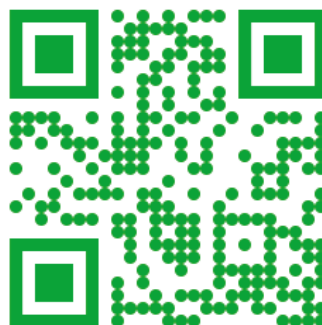


| Model | I.COMP 3 |
|----------------|--------------------|
| Article Number | 70-101-30116 |
| Flow Rate | 160 l/min. (6 bar) |
| Max. Pressure | 11 bar/160 psi |
| Engine | Electric |
| Fuel | 230 V |
| Power | 1.5 kW |
| Weight | 25 kg |
| Towable | - |

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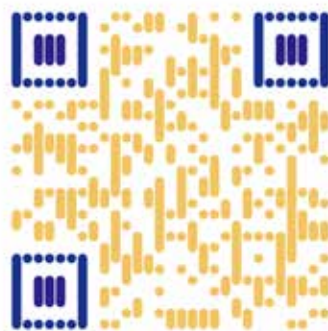
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