

DIETZEL UNIVOLT Products are available from:

MARYLAND METRICS

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DIETZEL
UNIVOLT

Cable Management Systems



FXP-Turbo[®]

faster than the rest

Getting pro

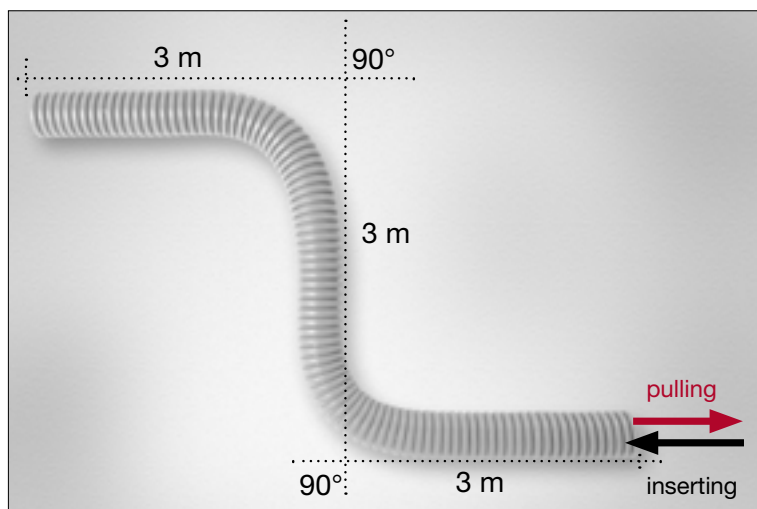


FXP-Turbo® - faster **than the rest.**

FXP stays FXP – the best just got better. The experts at DIETZEL UNIVOLT have come up with an innovation that simplifies and enhances installation work without compromising the proven advantages of standard PVC conduits. Inserting cables is much faster and less strenuous with the new FXP-Turbo® Conduit even in narrow and winding installations – thanks to the additional inner **sectional corrugation**. This puts you in pole position which enables fast and efficient project management.

Comparison Test:

standard PVC conduit vs. FXP-Turbo®



Test Conditions

The comparison test was carried out under the following conditions, using a standard PVC conduit and the new FXP-Turbo® in a sample installation:

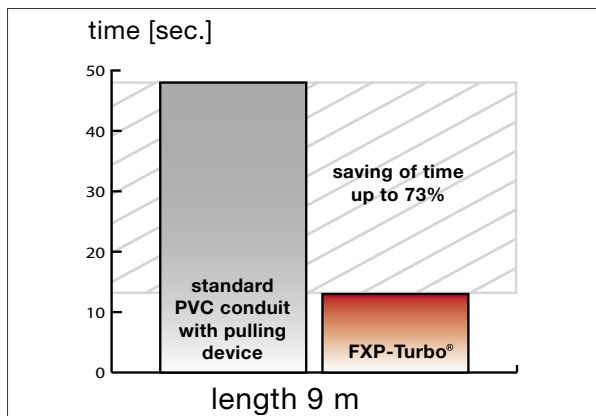
- test installation with 9 m length, as depicted in the sketch
- conduit diameter: 20 mm
- concealed installation in a brick wall
- cable inserting and pulling with 5 x Ye1,5 wires

g in pole position, with FXP-Turbo®!

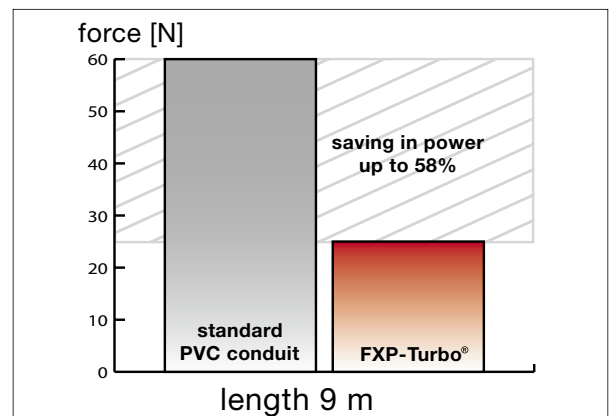
oven.reliable.fast.



Less time



Less effort



Test 1: Inserting Wires

Test setup:

Five wires type Ye1,5 are inserted as fast as possible from the bottom up as shown in the sketch.

Result:

- Standard PVC Conduit:** wires get stuck after appr. 7 m and cannot be inserted any further. A draw-in wire has to be used. Inserting pulling device, skinning wires, connecting them with pulling device and inserting wires: 48 seconds.
- FXP-Turbo® Conduit:** wires can be inserted within 13 seconds over the complete test length, a pulling device is not necessary.

Conclusion:

The new FXP-Turbo® Conduit saves time for cable insertion up to 73% without reverting to pulling devices.

Test 2: Pulling Wires

Test setup:

In both conduits five wires type Ye1,5 are inserted over a length of 9 m as shown in the sketch. The excess ends of the wires are 3 m at the installation top. At the bottom the wires are pulled out by means of a tension spring balance.

Result:

- Standard PVC Conduit:** With a standard PVC conduit a maximum traction force of 60 N (6 kg) is required.
- FXP-Turbo® Conduit:** With the new FXP-Turbo® Conduit the maximum traction force is 25 N (2,5 kg).

Conclusion:

The traction force necessary to pull wires through a conduit is with FXP-Turbo 58% lower than with standard PVC conduits.



Technical Details

Pliable corrugated conduit for electrical installations, medium gauge

Application: versatile impact resistant protective conduit for concealed cabling and surface installations, for installations in dry lining walls and for embedding in concrete

Colour: grey (RAL 7037)

Compression strength: >750 N

Classification: EN 3341

Temperature range: -25° C to +60° C

Applicable standard: EN 50086-2-2



item code/dim.	di/mm	packing m		art.no.
		small	large	
FXP-Turbo® 20	14,50	50	2700	083 270
FXP-Turbo® 25	18,80	50	1600	083 271

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