



DATA SHEET

Blown fibre installation



Clean, quick, simple, efficient... Future proof. That's the reality of blown-fibre. A best-practice method without the mess and waste of traditional fibre installation techniques.

Blown fibre is as simple as it sounds. Take the exact span of fibre optic cable that you need, and propel it down a length of pre-installed tubing (duct) with a combination of air and mechanical pushing.

No pools of jelly, no wasted coils of slack sitting around, no struggling, no frustration.

 **ANDY HARDING**
DIRECTOR, INTERNET CONNECTIONS LTD

**WE'LL HUFF.
WE'LL PUFF.
AND WE'LL...**

**quickly, efficiently and
cleanly blow your fibre
for you.**

Need to know

- >> **Custom service:** we can do as much or as little as you like. You can handle the ducting, and we'll install the fibre, or we can take on the full job for you.
- >> **Pre-install training:** consultancy included as part of the service
- >> **Duct tube and fibre included:** 2-12 fibres per tube, 1-24 tubes per duct cable
- >> **Termination equipment included:** 1U rack mount panels, 0U boxes or wall-mount ODFs
- >> **Fusion spliced terminations:** minimises signal loss and maximises cable performance
- >> **Low Smoke Zero Halogen:** LSZH cabling to meet fire-hazard requirements
- >> **Optical loss report:** gives you the all important performance data of your new connections
- >> **OTDR testing:** Optical Time Domain Reflectometer testing gives you a reference map of your fibre plant

Get connected. Stay connected.

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CLIENT TESTIMONIAL

Having absolute confidence in a network provider is very reassuring. I am happy to say that by choosing Internet Connections we have this assurance.

Simon Chappell, Backup Technology

A typical installation...

1. Fibre tubes/bundles put in place

- Tubes are installed empty, ready for fibre insertion
- This part of the installation can be done by your in-house data centre staff with minimal training (which we're happy to provide as part of the service)
- The only requirement at this stage is to ensure that the minimum bending radius is observed, to prevent damaging/performance-inhibiting kinks

2. Fibre units installed

- 2-12 fibres are fed into the duct using a special cable "jetting" machine

3. Fibre terminated

- Fibre pigtails are fusion spliced onto the new fibre, and terminated on patch panels
- Up to six ducts (12 fibres in each) can be terminated in a 3U rack-mount shelf

4. Testing

- An optical loss report reveals the performance of your cabling, while an OTDR test maps your fibre plant for future reference

Blown fibre - the advantages

- ✓ **Future-proof:** once your duct is in place, new fibres are easy to install at a later date as your requirements change.
- ✓ Damaged fibre tubes are **simple to replace**, or can be repaired with push-fit couplings.
- ✓ Each light-weight, **easy to handle** cable is mechanically protected by **strong ducting** that resists kinking, trapping and twisting.
- ✓ **Multiple bundles** can be interrupted midway, without disturbing live fibre in other tubes within the bundle.
- ✓ **Compact:** tubes are available singularly at 5mm diameter or in bundles with up to 24 tubes in one cable.
- ✓ **Fast installation:** empty blown-fibre duct requires no special handling procedures. Fibre is then blown into the tube in seconds.
- ✓ **Simple:** fibre tubes can be installed by in-house staff and then populated by us without access to secure areas.

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