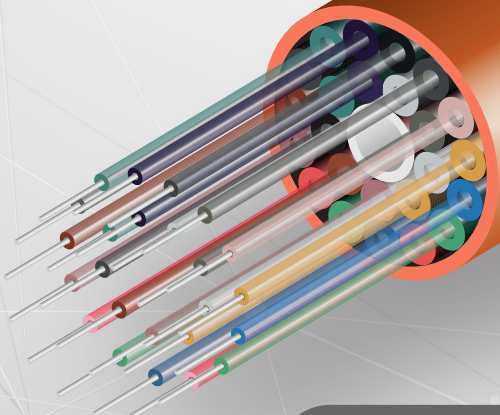




PRE-INSTALLED SOLUTION



**PART OF
EMTELLE FTTH
SOLUTION**

Pre-installed fibre in tube bundle ensuring installation in one process

Up to 48 homes connected with no fibre blowing required

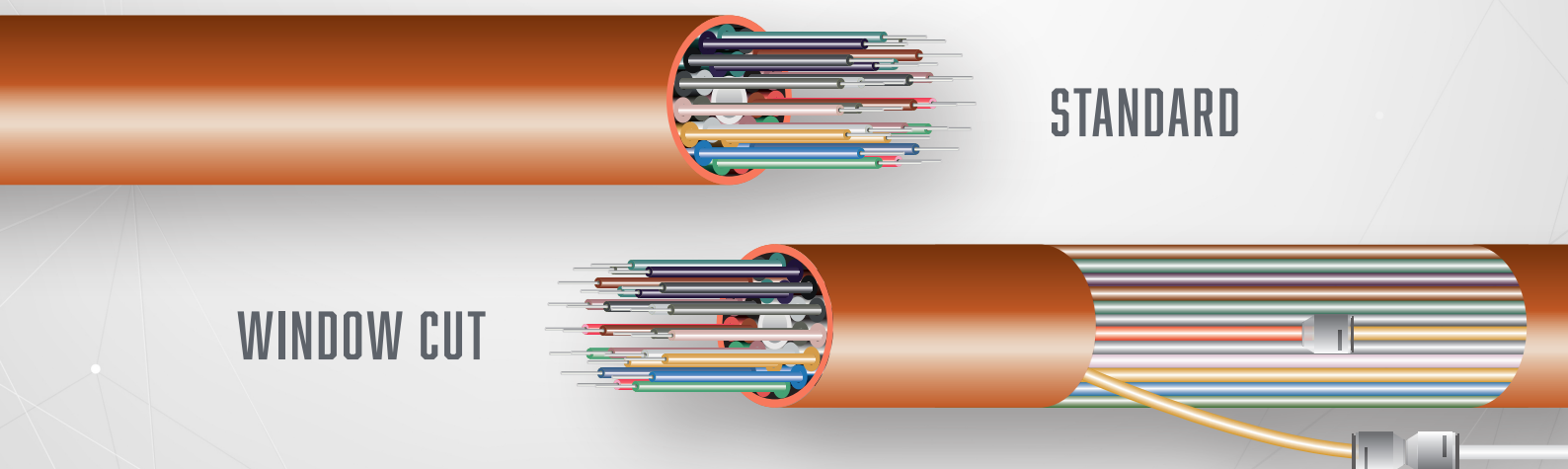
Simple break & branch process to access fibre

Dedicated pathway to each home



The Ementelle Multifu is a tube bundle – a duct with microducts pre-installed with a fibre unit – ensuring fibre and duct can be installed in one process. This means the Multifu solution reduces the need to use specialist blowing equipment when connecting customers and allows for increased rollout speeds and reduced skill requirements.

This innovative solution pioneered by Ementelle can be accessed at any point along its length via a window cut, and then the required fibre length can be pulled back (up to 150 metres) and pushed to each home. Constructed of PE microducts each containing a fibre unit, the bundle is surrounded by an outer sheath allowing for direct burial installation into suitably prepared ground. Available in multiple configurations and sizes, Multifu can be partially or fully fibre populated, depending on customer requirements.



MULTIFU BENEFITS

- Reduce CAPEX per home passed and home connected on Day 1
- Easy to install, assemble and use products
- Reduce the skill requirements
- Minimise installation time and reduce failure rate
- Increase roll out speed
- Lower upgrade and maintenance costs for the life time of the network
- Adapted for low cost construction techniques

THE FULL MULTIFU SOLUTION



MULTIFU VALUE PROPOSITION

UP TO **150M**
PULL BACK
DISTANCE

MULTIPLE UPGRADE
PATHWAYS FOR
25+
YEARS

€50
SAVING
PER HOME

MULTIFU INSTALLATION GUIDE

1



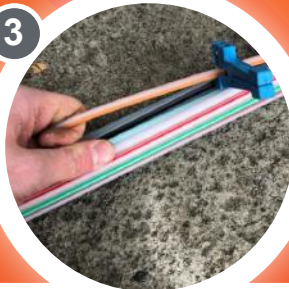
Sheath Stripper P/C 9728
Microduct Rotational Cutter P/C 7299
Heavy Duty Scissors P/C 7039
Flat Head Screwdriver

2



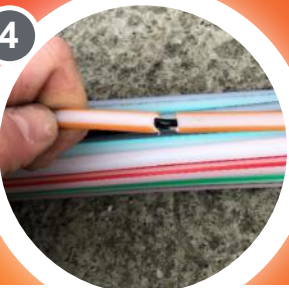
Remove the sheath but do not throw away. The selection of microduct can now be made.

3



Once the blade is set, position the cutter where the cut is needed. Rotate 2-3 times, enough to score the microduct.

4



Snap the microduct on the score mark made. Pull out the required amount of fibre.

5



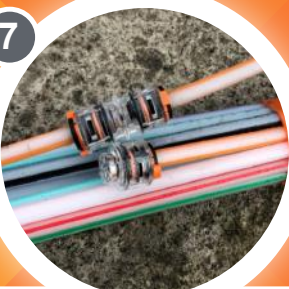
Ensure a connector is push fitted onto the end of the customer drop microduct and insert the fibre through the connector and into the microduct.

6



Once all the fibre has been pushed through, the customer drop microduct and connector can be push fitted onto the microduct from the bundle.

7



An end cap is used on the microduct once the fibre has been removed.

8



If two or more customer connection drops are needed, the straight connectors have to be staggered along the length of the longitudinal cut.

9



The sheath that was removed from the microduct bundle can now be taped into place, adding additional protection.

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