

UK_DS_ELF



Emtelle Fibre Restraint (ELF)



Product Description

The ELF is a fibre restraint which will secure Emtelle's fibre unit when it leaves the microduct to enter a closure or cabinet. The ELF has an open channel running the length of the product which secures the fibre unit when activated inside a microduct.

The ELF's have been designed for use with the following Emtelle products:

- Emtelle 2 Fibre Unit 1.10mm
- Emtelle 4 Fibre Unit 1.10mm
- Emtelle 12 Fibre Unit 1.60mm
- Emtelle QWKlink with LFBT 2.00mm
- Emtelle 24 Fibre Unit 2.05mm

Application

The ELF can be deployed at splice locations which are subject to thermal expansion/contraction or vibration of the microduct. The product has an open channel to allow for easy fitting and retrofitting on site. The ED1 ELF comes with an activation collar depending on the microduct size the ELF is being activated into. The head of the ED2 and ED3 ELF has a cut-out to allow a 3mm transport tube to be fitted over the fibre if further protection is required.

Installation Video

Follow the linked installation video on this QR code in the pdf file or scan with your smartphone.



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ED1 Specification

Material	PA6
Colour	Black
Fibre restraint	2/4 Fibre Unit
Fibre diameter	1.1mm
Long term restraint force	1N

Product Code	73001	73433
Microduct ID	3.5mm	4.0mm

Product Code (Split ELF):	73616	75827
Microduct ID	3.5mm	4.3mm

Approval Report	TR647
*ED1 ELF are supplied with an appropriate locking Collar to secure 2/4 Fibre Unit	



73616 / 75827

ED2 Specification

Material	PA6 with 7.5%G.F.
Colour	Application Specific
Microduct ID	Fits Both 3.5mm and 4.0mm



Product Code	74674	74675	75824
Colour	Grey	Black	Green
Fibre restraint	24 Fibre Unit	QWKlink LFBT 12 Fibre Unit	QWKlink LFBT 12 Fibre Unit
Fibre diameter	2.05mm	2.0mm or 1.6mm	2.0mm or 1.6mm
Long term restraint force	17N	8N LFBT 15N 12FU	8N LFBT 15N 12FU

Approval Report	TR749
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ED3 Specification

Material	PA6 with 7.5%G.F.
Colour	Application Specific
Microduct ID	3.2mm



Product Code	75825	75826
Colour	Red	Green
Fibre restraint	2/4 Fibre Unit	QWKlink LFBT 12 Fibre Unit
Fibre diameter	1.1mm	2.0mm or 1.6mm
Long term restraint force	10N	8N LFBT 15N 12FU

Approval Report	TR776
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Installation

Installation instructions for ED2 and ED3 ELF are as follows:



Locate the microduct and identify the fibre unit that needs restrained, select the correct ELF.



Gently pull outwards approx. 20mm of free moving fibre unit.



Line up the ELF central channel with the fibre unit.



Starting with the front of the ELF (closest to microduct) gently push the fibre into the central channel until the fibre is secure.



Using the top of the ELF push it into the microduct to activate.



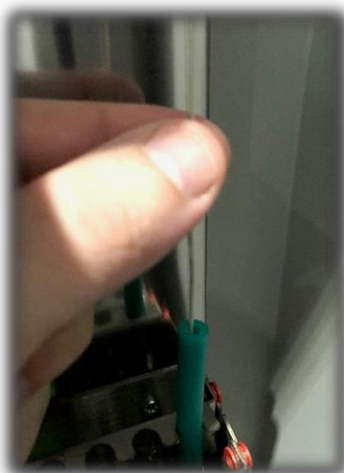
The ELF is now activated, and fibre secured.

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Installation instructions for the ED1 ELF are as follows:



Locate the microduct and identify the fibre unit that needs restrained, select the correct ELF.



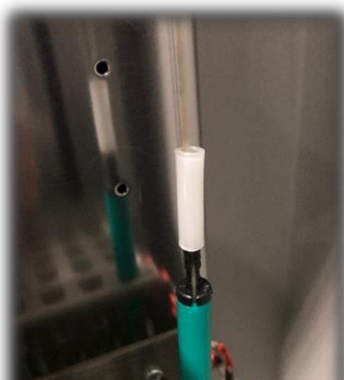
Gently pull outwards approx. 20mm of free moving fibre unit.



Line up the ELF central channel with the fibre unit and push the fibre into the slot.



Slide over the activation collar supplied with the ELF.



Using the top of the ELF push it into the microduct to activate.



Push the activation collar down to secure the ELF. The ELF is now activated, and fibre secured.

Packaging and Labelling

All products suitably packaged and clearly labelled with Emtelle Product Code and description where possible.

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