



APPLICATION:

## Cables Through Timber Walls

ID:

**SL-GA:  
SP-TW-E-01**

**INFORMATION:**

- Not to scale
- All units are in millimetres
- Tested according EN 1366-3
- [Approval ETA - 20-1234](#)

**CFS-SL GA**

REV:

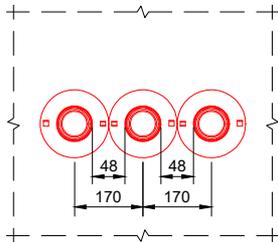
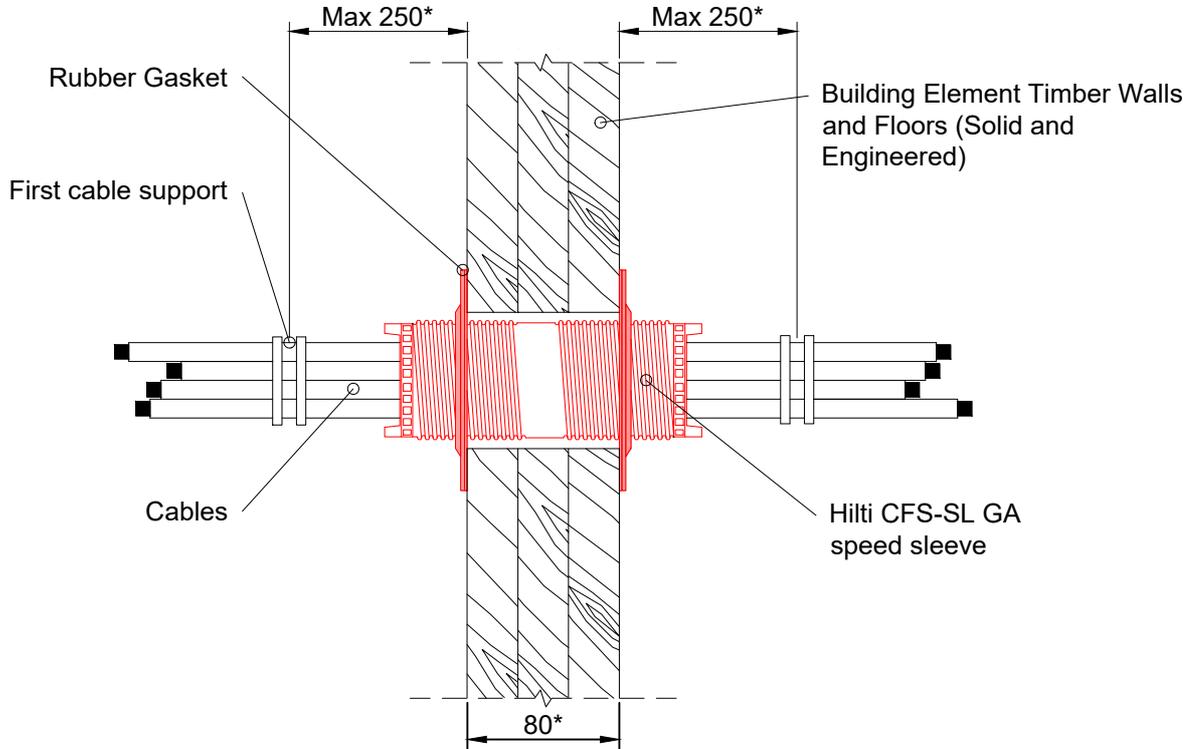
DATE:

**01**

**03/2025**

**Fire Rating up to EI 90**

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Zero distance (horizontal/vertical distance between flanges linear)

Device	Opening Ø
CFS-SL GA M/L	113 - 122 mm

	Description	CFS-SL GA M/L
<b>Timber Walls</b> Thickness $\geq 80$	Blank Device to 100% filled Cables $\leq 21$	EI 60
<b>Timber Walls</b> Thickness $\geq 100$	Blank Device to 100% filled Cables $\leq 21$	EI 90

### Timber Walls & Floors: (Solid and Engineered)

Timber wall and floor constructions should comprise of:

**1. Solid timber**

- Softwoods such as: spruce/fir, pine, larch, stone pine

**2. Engineered timber**

- Glued solid timber boards
- Glued laminated timber (glulam) with or without finger joints
- Cross laminated timber (CLT, X-Lam) with or without finger joints according EN 16351, with Resistance to Fire Classification (REI) according EN ISO 13501

Characteristics of Engineered timber:

- Softwoods such as: spruce/fir, pine, larch, stone pine
- Number of layers  $> 3$
- Thickness of layers:  $t_l > 20\text{mm}$
- Polyurethane and/or MUF (phenolic and amino plastic) based adhesives
- With or without grooves and edge bonds acc. EN 16351:2015, chapter 5.2.2.4

General Field of Application:

- Minimum thickness 80mm & maximum thickness 200mm (CFS-SL GA M)
- Minimum thickness 200mm & maximum thickness 300mm (CFS-SL GA L)

1. The application limits on this detail are for guidance purposes only. For more detailed information based on the full range of available test results please contact the Hilti Technical Advisory Service.  
 2. The product and application has been assessed as a minimum to the BS 476 standard. It may have additional European and worldwide testing. Please contact Hilti for further information.  
 3. All installations should be carried out in accordance with Hilti's installation instructions and by competent & experienced installers using Hilti branded products.  
 4. All services are to be correctly and adequately supported to prevent collapse and distortion.