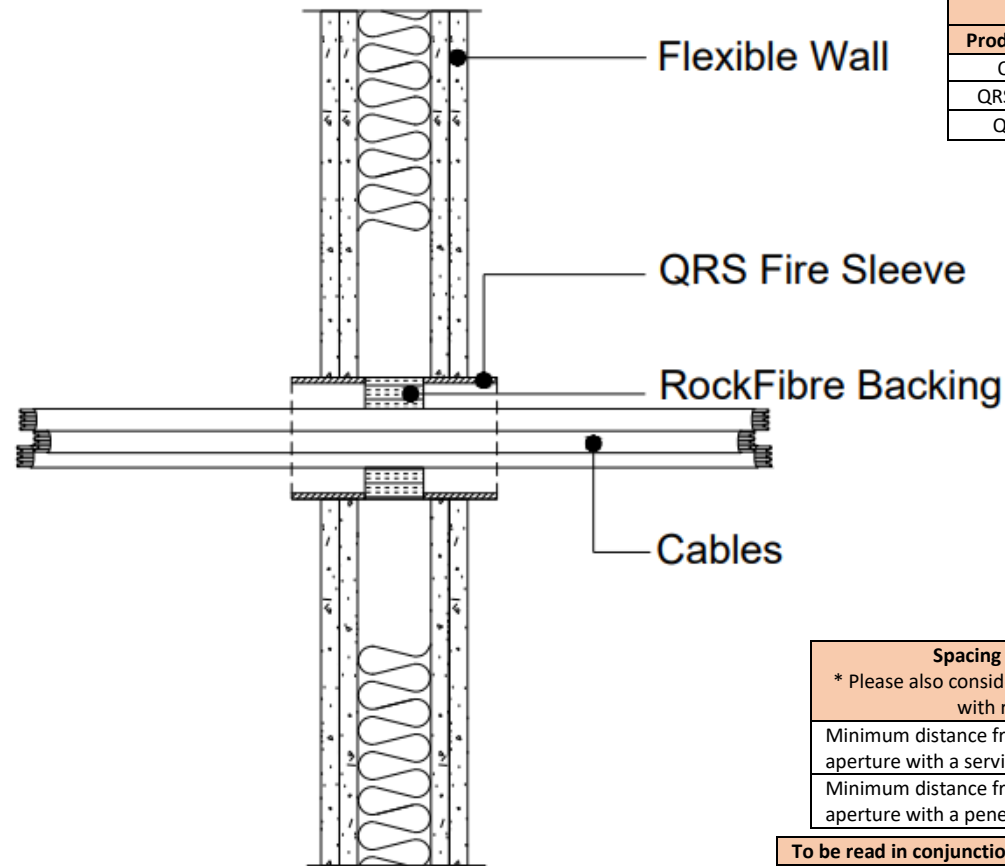


QRS-FW100-05

Data cable penetrating a flexible or rigid wall (100mm or thicker)

This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines. In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore you must ensure this is the latest published detail and instructions.

Additional Instructions
Flexible walls (Insulated or Uninsulated) to have a minimum 50mm wide stud and minimum 2no. layer of 12.5mm Gypsum boards in accordance with EN 520 or Calcium Silicate boards which are CE Marked based on an ETA on both sides of the stud.
100kg/m ³ mineral wool packed around cables centrally within the QRS Fire Sleeve to a ≥40mm depth.
Apply QuelStop Intumescent Acrylic Sealant around the perimeter of the QRS Fire Sleeve to seal any small gaps ≤5mm between the plasterboard and the QRS Fire Sleeve.
Test results obtained with flexible supporting walls may be applied to concrete or masonry elements of an overall thickness equal to or greater than that of the element used in the test.
BS EN 1366-3:2021 Section 13.7: The distance between the aperture edges of penetration seals in a building element shall be as tested or minimum 100mm.
The distance between the aperture edge of a penetration seal and any other penetration (e.g., door) in a building element shall be minimum 200mm.



Quelfire Products Required	
Product Code	Description
QRS75	QRS Fire Sleeve
QRS205/60	QRS Fire Sleeve
QSS310	QuelStop Intumescent Acrylic Sealant

Spacing as per BS EN 1366-3: 2021, Section 13.7	
* Please also consider any requirements that the wall manufacturer has with regards to spacing between openings.	
Minimum distance from edge of opening to another aperture with a service penetration tested to BS EN 1366-3	100mm*
Minimum distance from edge of opening to another aperture with a penetration not tested to BS EN 1366-3	200mm*

Service Type	Size of Services	QRS Fire Sleeve	Recommended Aperture	Fire Rating
Bundle of CAT 5 cables	Ø60mm bundle of CAT 5 Data cables ≤Ø5mm	QRS75	Ø90mm	120 minutes Integrity 60 minutes Insulation
	142mm wide x 55mm high bundle of CAT 5 Data cables ≤Ø5mm	QRS205/60	230 x 85mm	90 minutes Integrity 60 minutes Insulation

To be read in conjunction with:	Test Report WF412164 – specimen H & I
Test standard:	BS EN1366-3
Substrate minimum thickness:	100mm
First service support:	≤400mm
Drawing Scale:	Not to Scale
Issue Number:	4
Date of Issue:	February 2023
Detail Reference:	QRS-FW100-05

Important Information:

- The supporting construction must be installed in accordance with the manufacturer's guidelines and must be capable of achieving the required fire rating of the firestop.
- All Services should be adequately supported either side of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

- Any Information provided by or on behalf of Quelfire Limited is provided for general information only. It is not intended to amount to advice on which you should rely. You must obtain professional or specialist advice before taking, or refraining from, any recommendation or action.
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