

QFP-RW150-01

Cable Penetrating a rigid wall (150mm 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

Rigid walls to be a minimum of 150mm thickness and have a minimum density of $\geq 650\text{kg/m}^3$.

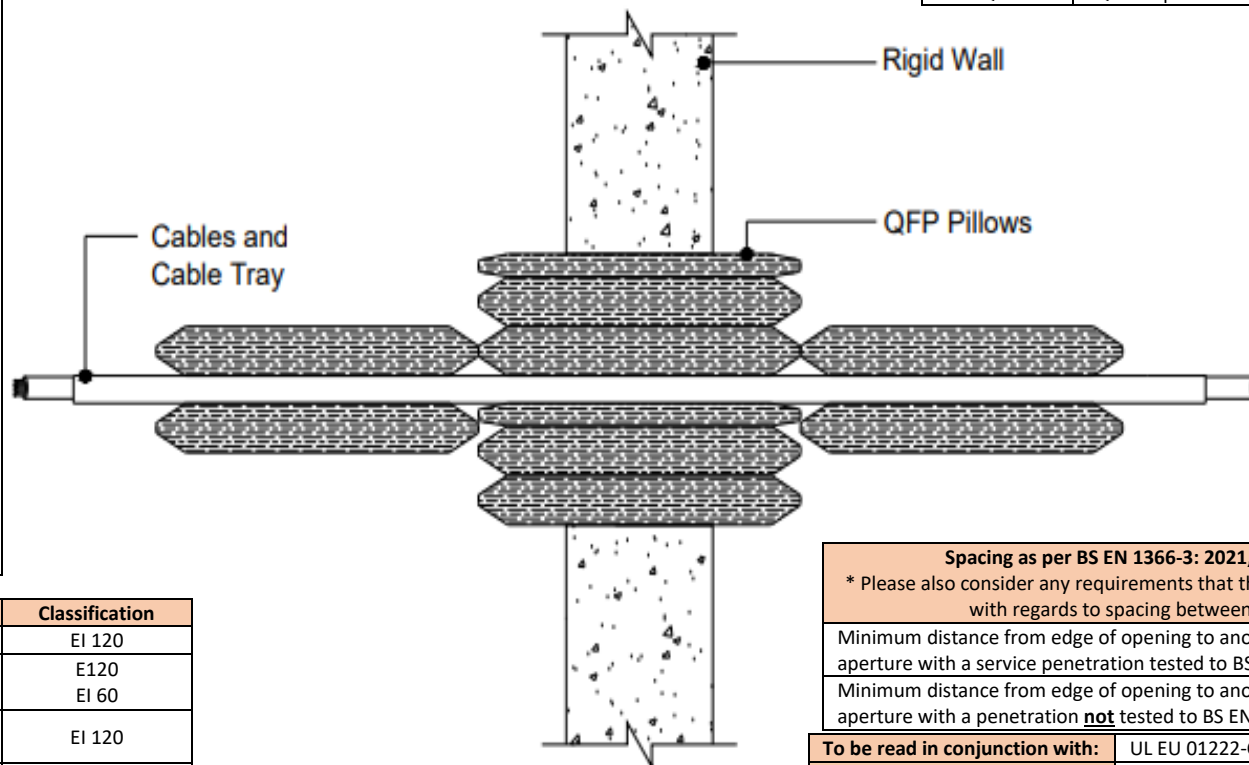
Pillows should be installed lengthways and in such a way that all joints are staggered in each layer and all gaps are filled in a manner that ensures a tight compression fit.

Pillows should be finally positioned so that they are **centrally positioned** within the fire compartment wall with equal projection on both sides of the supporting construction.

Services are to be wrapped with additional 300mm long Quelfire Fire Pillows where they exit the seal. These pillows are positioned lengthways and are stitched together and supported in place with steel wire forming a continuous seal around the services.

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.

Service Type	Size of Services	Classification
Cable	$\leq \varnothing 21\text{mm}$	EI 120
	$\varnothing 22 - 80\text{mm}$	E120 EI 60
Cable Bundle	$\leq 100\text{mm}$ dia. Bundle of cables $\leq \varnothing 21\text{mm}$	EI 120
Cable Tray fitted with services within this table	$\leq 500\text{mm}$	E120
Cable Ladder fitted with services within this table	$\leq 300\text{mm}$	EI 60
Unsheathed Cable	$\leq \varnothing 24\text{mm}$	EI 120
Steel or Copper Conduit	$\leq \varnothing 16\text{mm}$	E 120
Plastic Conduit		EI 90
		EI 120



Quelfire Products Required

Product Code	Description
QFP	QuelStop Intumescent Fire Pillows (3 Sizes)

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*

To be read in conjunction with:	UL EU 01222-CPR, page 6
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	150mm
First Service Support:	$\leq 250\text{mm}$
Maximum Aperture:	1100 x 1100mm
Drawing Scale:	Not to Scale
Issue Number:	2
Date of Issue:	January 2023
Detail Reference:	QFP-RW150-01

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:

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