

QB-CF150-D-01

Cable penetrating a rigid floor (150mm or thicker)



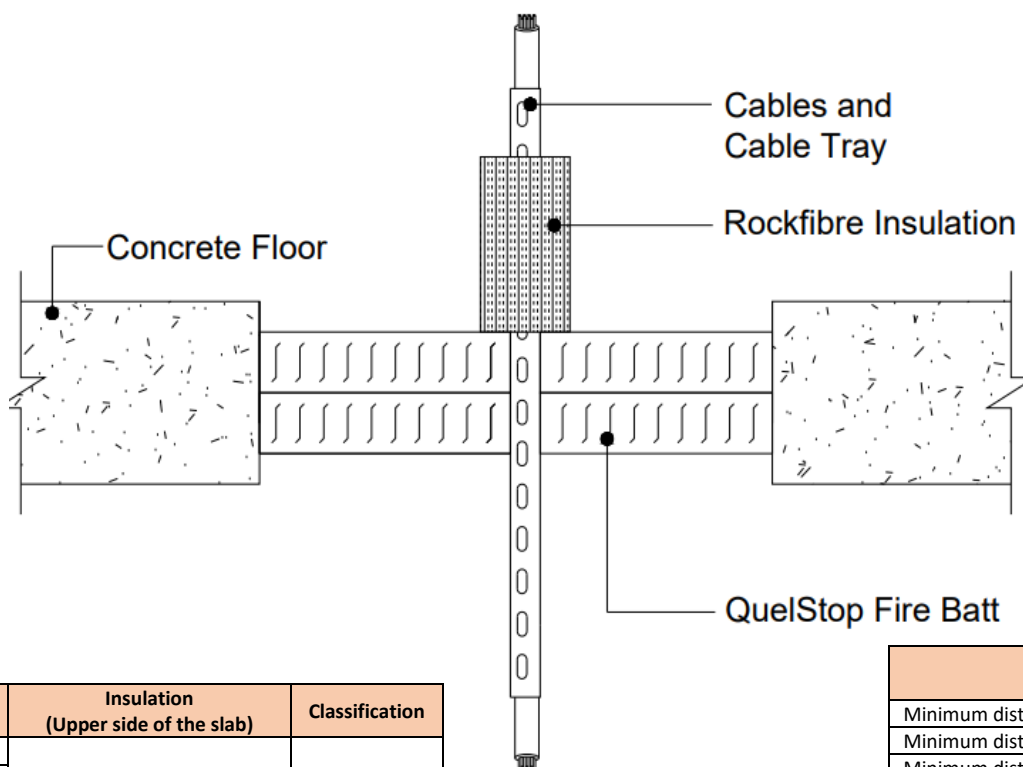
This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines. In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore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

Additional Instructions

The floor must have a minimum thickness of 150mm and comprise of concrete, aerated or concrete, with a minimum density of 670kg/m³.

Follow the installation steps referenced in the [QuelStop Fire Batt installation guidance](#) document.

Multiple Service Penetrations: The total amount of cross section area of the services (including insulation) should not exceed 60% of the service penetration area.



Quelfire Products Required

Product Code	Description
QB50D	QuelStop Fire Batt
QSS310	QuelStop Intumescent Acrylic Sealant
QSC5KG	QuelStop Ablative Coating 5kg tub
QFFDW	Foil faced rock fibre insulation

Service Type	Size of Services	Insulation (Upper side of the slab)	Classification
Cable	≤Ø21mm	≥40mm thick ≥40kg/m ³ foil faced rock fibre, (L/I 300mm)	EI 60
Cable Basket / Tray*	Ø22 - Ø80mm		
Cable Ladder*	≤500mm wide		
Cable Bundle	≤350mm wide		
Unsheathed Cable	≤Ø100mm Bundle of cables ≤Ø21mm		
Steel or Copper Conduit	≤Ø17mm		
Plastic Conduit	Ø18 - Ø24mm		
	≤Ø16mm		
* If cables are fitted to the relevant cable carrier, then the lowest performing classification from the individual components defines the overall classification for the combined seal.			

Multiple Service Penetration Spacing

Distances are from edge of fire stop seal

Minimum distance from edge of opening	0mm
Minimum distance between Services within the table shown	0mm
Minimum distance between other Service types	100mm

To be read in conjunction with:	UL Classification Report 4790517197 Issue 3 , Pages 283, 284 & 285
Test & Classification standard:	BS EN1366-3 & EN13501-2
Substrate minimum thickness:	150mm
First Service Support:	≤400mm
Maximum Aperture:	1100mm wide x 1500mm long
Drawing Scale:	Not to Scale
Issue Number:	6
Date of Issue:	September 2023
Detail Reference:	QB-CF150-D-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 on both sides of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

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