

EZ-PATH

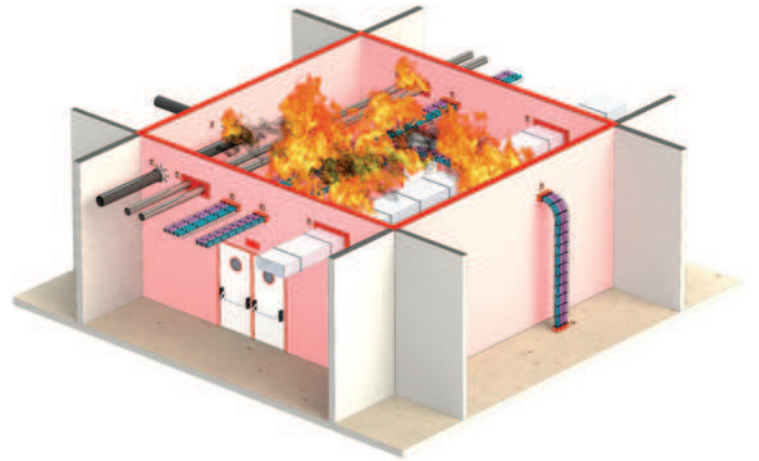
FIRE STOPPING DEVICES



UNDERSTANDING PASSIVE FIRE PROTECTION

Passive fire protection, or containment, refers to products or methods which slow or prevent the spread of fire. This needs to be built into a building's fire protection scheme along with detection (systems that detect fire) and suppression (systems that extinguish or prevent the spread of fire).

Fire rated walls and floors, which contain fire, can lose their resistance once openings are made to allow services, such as cables, to pass through. These openings need to be sealed to prevent fire spreading. Fire stopping products with the same or higher fire rating as the walls and floors they are installed in are used to maintain integrity.



Fire stopping products are used to contain fire and restore the fire rating of walls and floors.

APPLICATIONS

Legrand's EZ-Path range is a flexible and cost-effective solution that meets fire stopping requirements in all market sectors where passive fire protection is required from data centres, which have significant cabling requirements, to multi-dwelling units, with single cable requirements.



DATA CENTRES

The cabling requirement within data centres is significant and constantly changing



HEALTHCARE

Healthcare installations require rigorous planning and have numerous firewalls



EDUCATION

It is crucial to minimise disruption when installing or updating fire stopping products in education settings



COMMERCIAL OFFICES

Offices are regularly changing and reconfiguring requiring updates to cabling etc



HOTELS

Hotels have a significant cabling requirement including CCTV and upgrades to multimedia equipment



MULTI-DWELLING UNITS

Multi-dwelling units require many single cable installations for satellite television etc

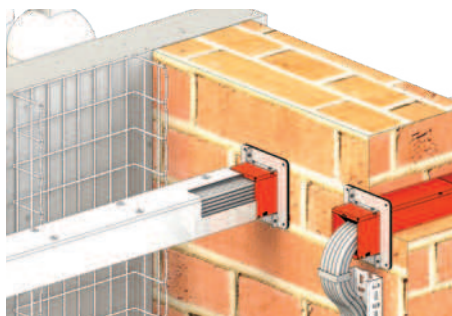
CHOOSING A FIRE STOPPING DEVICE FOR ELECTRICAL AND DATA INSTALLATIONS

Before choosing a fire stopping device it's vital to understand the requirements of the building it will be installed in.

Firstly it is important to be aware of the construction of the building and the areas within it. This is easier with a new build as walls etc are shown on drawings, but can be

a little more complicated with existing buildings.

The type of wall or floor used has a bearing on the fire stopping device that you can use. The following wall types can be used for passive fire protection:



Rigid walls and floors

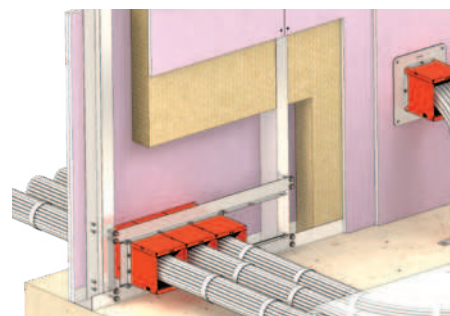
Either made of a variety of brick, concrete block or concrete.

Floors are considered in the same way as rigid walls when selecting a fire stopping device.



Flexible walls

Often called partition, dry wall or cavity walls, these are made of a steel frame with plasterboards either side of a set gap.



ROCKWOOL ablative coated batt

Intended to act as an airseal barrier to reinstate the fire resistance of concrete floors, masonry walls and drywall systems when voids have been created for the passage of services.

Increased capacity, new equipment and replacement of obsolete equipment can mean that electrical and data cables need to be added and removed regularly. It's important to remember this when planning passive fire protection as doing this at a later date will mean drilling and cutting of walls and floors and therefore loss of fire resistance during and after works.

FIRE CLASSIFICATION

It is also important to know the required fire classification of the area the fire stopping device will be installed in.

Fire classification E: Integrity

Fire resistance class E: Integrity demonstrates the ability to prevent the passage of flames or hot gases through the module when exposed to fire on one side, and to prevent the occurrence of flames on the unexposed side.

Fire classification EI: Integrity and Insulation

Fire resistance class EI: Offers the highest level of protection from flames, smoke and heat. This classification of fire rated devices performs to the standard of E when exposed to fire on

one side, and also restricts temperature rise on the unexposed side to below the required standard.

The classification is formed by putting either E or EI followed by the time in minutes that the wall or fire stopping device is approved to.

EI120 / E180

Integrity & Insulation

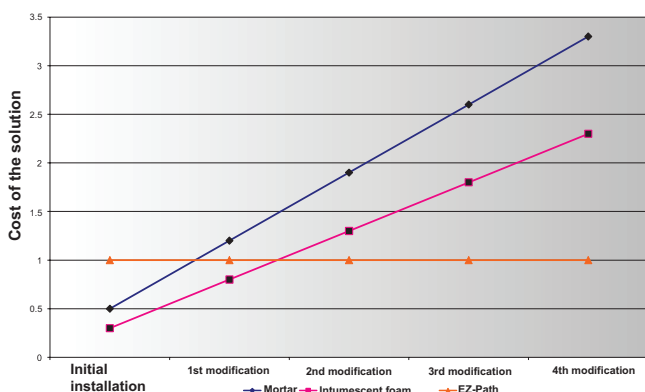
Integrity

WHY CHOOSE EZ-PATH FIRE STOPPING DEVICES

EZ-Path mechanical fire stopping devices offer the client, specifier, contractor and fire inspector a solution for passive fire protection through walls and floors where electrical and data cables have been installed.

EZ-Path devices contain a factory fitted intumescent lining which reacts to either flame or heat (at 177°C) by expanding by 800% in size, closing the pathway.

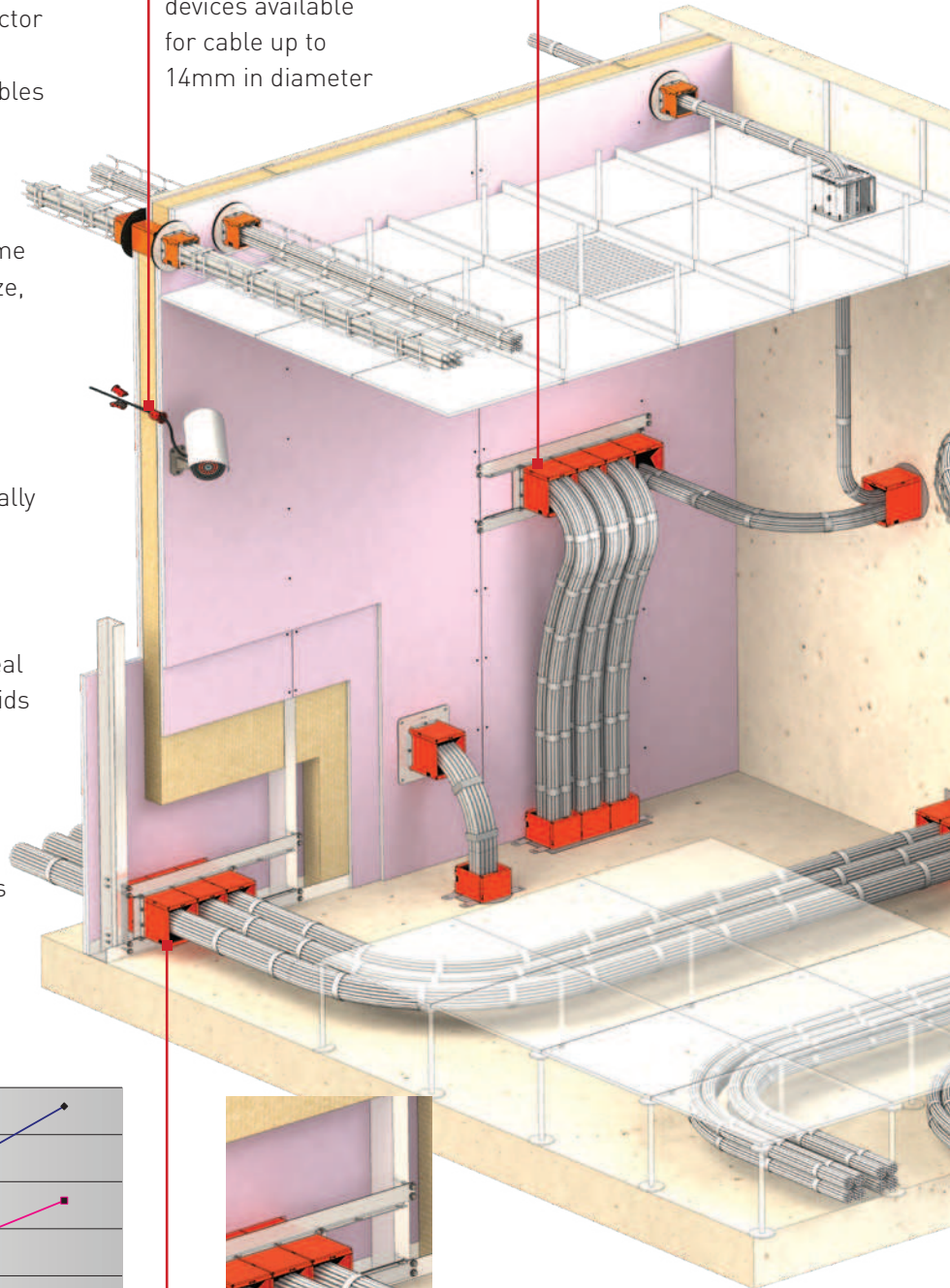
- EZ-Path can be used for power and data cables up to 100mm in diameter
- The device is approved empty or 100% visually full allowing for easy inspection
- Does not require a fire specialist to install
- Approved for use in all wall and floor types
- Available in two sizes. The 33 module is ideal for restricted spaces in ceiling and floor voids and 44+ module for all other applications
- Cables can be added or removed without the need for additional holes which means the fire rating of the wall or floor does not have to be restored and dust and debris is not created, thus controlling cost



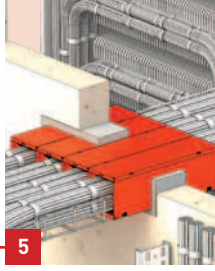
1 Single cable devices available for cable up to 14mm in diameter



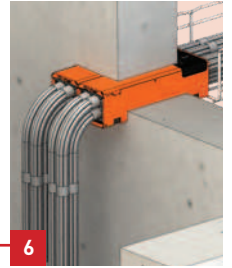
3 Modular plates allow for increased capacity



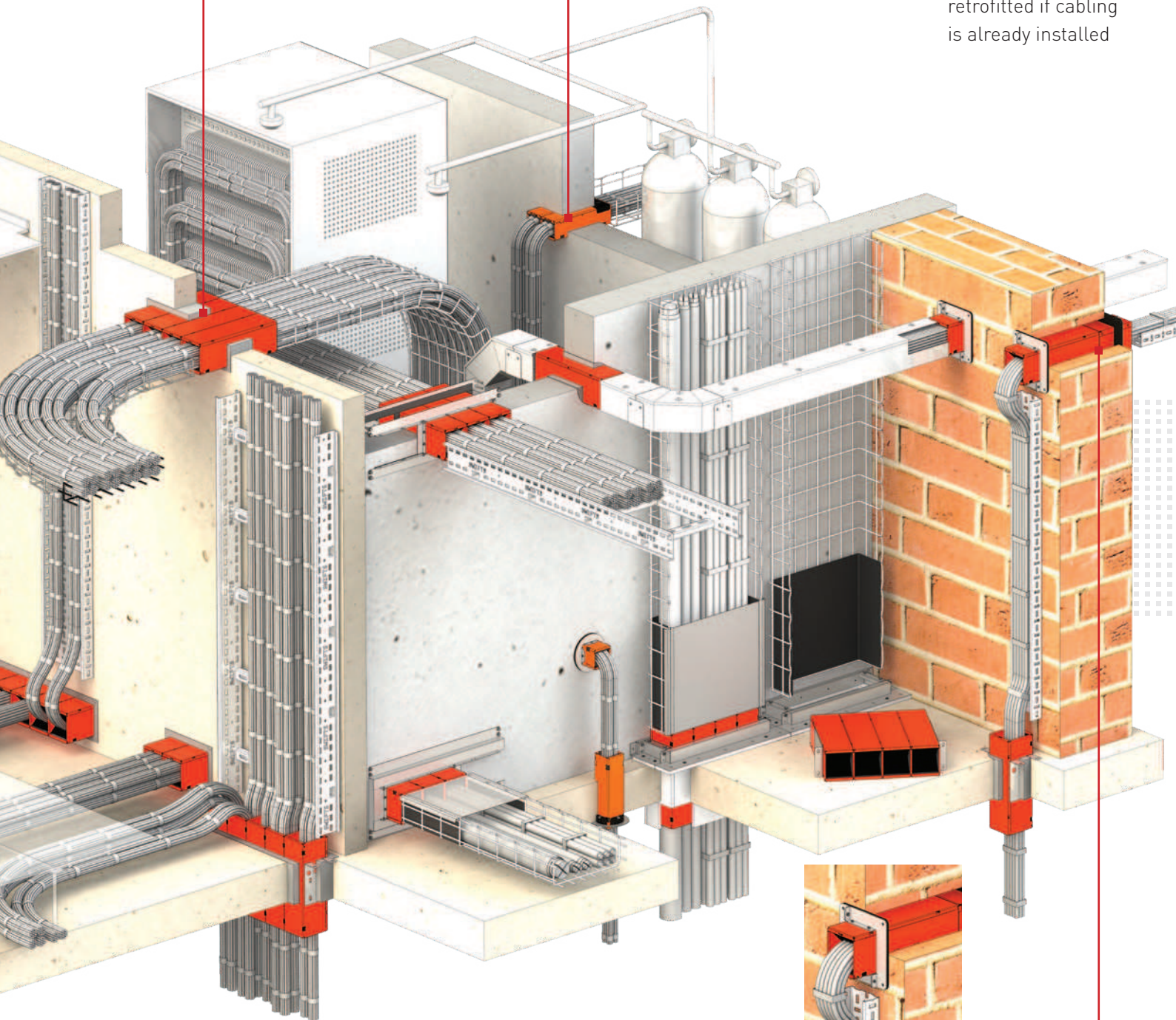
2 Certified for use with ROCKWOOL ablative coated batt



Approved empty or 100% visually full



Devices can be retrofitted if cabling is already installed



Extension pieces available for walls thicker than 250mm

EZ-Path® fire rated pathway Series 33

selection chart

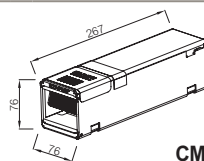
CE marked certification

Fire resistance : EN 1366-3

Classification : EN 13501-2

ETA 18 / 0412

All EZ-Path systems are approved empty up to 100 % visual fill of cable



CM250018 (EZD33T)

Cat. Nos.		Plate kit	Plate dim. (mm) (w x h or Ø)	EZ-Path systems	Opening dimension (mm) (w x h or Ø)	Ø cables (mm)
1 x CM250018 (1 x EZD33T) (grouted)	1 x 	-	-		Ø 102 or 90 x 90 (+/- 5 mm)	OD ≤ Ø 21
2 x CM250018 (2 x EZD33T) (grouted)	2 x 	-	-		170 x 90 (+/- 5 mm)	
1 x CM250018 + CM250240 (1 x EZD33T + EZP133CWT)	1 x 		Ø 140		Ø 102 or 78 x 78	OD ≤ Ø 21 OD ≤ Ø 50
2 x CM250018 + CM250120¹ (2 x EZD33T + EZP233WT)	2 x 		185 x 109		155 x 81	OD ≤ Ø 21 OD ≤ Ø 50
3 x CM250018 + CM250130¹ (3 x EZD33T + EZP333WT)	3 x 		261 x 109		230 x 81	OD ≤ Ø 21 OD ≤ Ø 50
4 x CM250018 + CM250140¹ (4 x EZD33T + EZP433WT)	4 x 		407 x 109		305 x 81	OD ≤ Ø 21 OD ≤ Ø 50
7 x CM250018 + CM250170¹ (7 x EZD33T + EZP733WT)	7 x 		610 x 109		540 x 81	OD ≤ Ø 21 OD ≤ Ø 50
1 x CM250018 + CM250220 (1 x EZD33T + EZP133KT)	1 x 		Ø 140		Ø 102	OD ≤ Ø 21

Accessories for Series 33







Extension	CM250078 (EZD33E)		Length 152 mm for use with CM250018 (EZD33T)
Dropout	CM250206 (RCM33)		For use with CM250018 (EZD33T)

Fire stopping grommets are available
Contact us on +44 (0) 370 608 9020

For installation, application and fire resistance data sheets visit
www.legrand.co.uk

NOTE : Please refer to the ETA 18/0412 for additional information about fire resistance classification

1 : Plate kits **CM250120** (EZP233WT), **CM250130** (EZP333WT), **CM250140** (EZP433WT) and **CM250170** (EZP733WT) are non-stocked items. Please contact **+44 (0) 370 608 9020** for more information.

Fire resistance classification						
Flexible wall		Rigid wall			Rigid floor	
≥ 100 mm	≥ 122 mm	≥ 100 mm	≥ 122 mm	≥ 150 mm	≥ 150 mm	
						
-	-	-	-	EI90 / E120	-	
EI60 / E120 ²	EI120	EI60 / E120 ²	EI120	EI120 / E240 ³	-	
-	-	-	-	EI60 / E240 ³	-	
-	EI120	-	EI120	EI120 / E240 ³	-	
-	-	-	-	EI60 / E240 ³	-	
-	EI120	-	EI120	EI120 / E240 ³	-	
-	-	-	-	EI60 / E240 ³	-	
-	EI120	-	EI120	EI120 / E240 ³	-	
-	-	-	-	EI60 / E240 ³	-	
-	EI120	-	EI120	EI120 / E240 ³	-	
-	-	-	-	EI60 / E240 ³	-	
-	-	-	-	-	EI120 / E240	

2 : In minimum 100 mm thick wall, annular space filled with minimum 45 kg/m³ stone wool for circular opening only

3 : When annular space is filled with regular construction mortar, integrity of the system is E240

When annular space is not filled with mortar, integrity of the system is E120

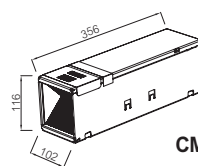
EZ-Path® fire rated pathway Series 44+

selection chart

CE marked certification

Fire resistance : EN 1366-3 Classification : EN 13501-2
ETA 18 / 0412

All EZ-Path systems are approved empty up to 100 % visual fill of cable




CM250058 (EZD44T)

Cat. Nos.		Plate kit	Plate dim. (mm) (w x h)	EZ-Path systems	Opening dim. (mm) (w x h or Ø)	Ø cables (mm)
1 x CM250058 (1 x EZD44T) (grouted with mortar)	1 x	-	-		Ø 152 - Ø 155 or width = 138 (+/- 16 mm) height = 143 (+/- 12 mm) max. 154 x 155	OD ≤ Ø 21
2 x CM250058 (2 x EZD44T) (grouted with mortar)	2 x	-	-		width = 240 (+/- 16 mm) height = 143 (+/- 12 mm) max. 256 x 155	OD ≤ Ø 21
3 x CM250058 (3 x EZD44T) (grouted with mortar)	3 x	-	-		width = 342 (+/- 16 mm) height = 143 (+/- 12 mm) max. 358 x 155	
4 x CM250058 (4 x EZD44T) (grouted with mortar)	4 x	-	-		width = 444 (+/- 16 mm) height = 143 (+/- 12 mm) max. 460 x 155	
5 x CM250058 (5 x EZD44T) (grouted with mortar)	5 x	-	-		width = 546 (+/- 16 mm) height = 143 (+/- 12 mm) max. 562 x 155	
1 x CM250058 + CM350700 (1 x EZD44T + EZP144WE)	1 x		178 x 191		Ø 152 - Ø 155 or 105 x 118	
1 x CM250058 + CM350701 (1 x EZD44T + EZP144RSE)	1 x		178 x 191		Ø 152 - Ø 155 or 105 x 118	OD ≤ Ø 21
1 x CM250058 + CM250230 (1 x EZD44T + EZP144WT)	1 x		178 x 237		Ø 152 - Ø 155 or 105 x 118	OD ≤ Ø 80
1 x CM250058 + CM350702 (1 x EZD44T + EZP544WE)	1 x		610 x 196		105 x 118	OD ≤ Ø 21
2 x CM250058 + CM350702 (2 x EZD44T + EZP544WE)	2 x				206 x 118	
3 x CM250058 + CM350702 (3 x EZD44T + EZP544WE)	3 x				309 x 118	
4 x CM250058 + CM350702 (4 x EZD44T + EZP544WE)	4 x				412 x 118	
5 x CM250058 + CM350702 (5 x EZD44T + EZP544WE)	5 x				515 x 118	
1 up to 5 x CM250058 + CM350702 (1 up to 5 x EZD44T + EZP544WE) Rockwool FirePro® Ablative Coated Batt	1 up to 5 x	 50 mm thick FirePro® Ablative coated batt FirePro® Acoustic intumescent sealant	610 x 196		Max. 568 x 800	OD ≤ Ø 21

Accessories for Series 44+

Extension	CM250178 (EZD44ES)		Length 152 mm for use with CM250058 (EZD44T)
Dropout	CM250306 (RCM44)		For use with CM250058 (EZD44T)

Fire resistance classification						
Flexible wall		Rigid wall			Rigid floor	
≥ 100 mm	≥ 122 mm	≥ 100 mm	≥ 122 mm	≥ 150 mm	≥ 150 mm	
						
–	–	EI90 / E240 ²	EI90 / E240 ²	EI120 / E240 ²	–	
–	–	EI90 / E240 ²	EI90 / E240 ²	EI90 / E240 ²	–	
EI90 / E120 ²	EI90 / E120 ²	EI90 / E120 ^{2/4}	EI90 / E120 ^{2/4}	EI120 ^{2/3/4}	–	
EI90 / E120 ²	EI90 / E120 ²	EI90 / E120 ^{2/4}	EI90 / E120 ^{2/4}	EI120 ^{2/3/4}	–	
–	EI120 ⁵	–	EI120 ^{4/5}	EI120 / E180 ^{4/5}	–	
EI120 ²	EI120 ²	EI120 ^{2/4}	EI120 ^{2/4}	EI120 ^{2/4}	–	
EI90 / E120	EI90 / E120	EI90 / E120	EI90 / E120	EI90 / E120	–	

NOTE : Please refer to the ETA 18/0412 for additional information about fire resistance classification

1 : Annular space filled with min. 45 kg/m³ stone wool for circular Ø opening only

2 : 16.6 mm Ø PVC tubes can be installed in EZ Path® with cables of OD ≤ Ø 21

3 : For telecommunications cables OD ≤ Ø 21, resistance to fire is EI120

For all sheathed cables OD ≤ Ø 21, resistance to fire of EI90 / E120

4 : When annular space is filled with regular construction mortar, the integrity of the system is E240 for all sheathed cables with OD ≤ Ø 21

5 : Requires cable tray with cable tray cover and intumescent paper sheet to be installed on both sides of the wall for all sheathed cables with Ø 21 < OD ≤ Ø 80

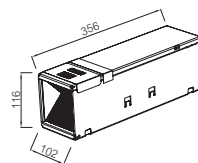
EZ-Path® fire rated pathway Series 44+

selection chart

CE marked certification





Fire resistance : EN 1366-3 Classification : EN 13501-2
ETA 18 / 0412

All EZ-Path systems are approved empty up to 100 % visual fill of cable



CM250058 (EZD44T)

Cat. Nos.		Plate kit	Plate dim. (mm) (w x h)	EZ-Path systems	Opening dim. (mm) (w x h or Ø)	Ø cables (mm)
1 x CM250058 + CM250250 (1 x EZD44T+ EZP544WT)	1 x		610 x 272		105 x 120	OD ≤ Ø 80
2 x CM250058 + CM250250 (2 x EZD44T+ EZP544WT)	2 x				206 x 120	
3 x CM250058 + CM250250 (3 x EZD44T+ EZP544WT)	3 x				309 x 120	
4 x CM250058 + CM250250 (4 x EZD44T+ EZP544WT)	4 x				412 x 120	
5 x CM250058 + CM250250 (5 x EZD44T+ EZP544WT)	5 x				515 x 120	
1 x CM250058 + CM350703 (1 x EZD44T+ EZP144MBE)	1 x		56 mm bracket width		Ø 152 - Ø 155	OD ≤ Ø 21
1 x CM250058 + CM250260 (1 x EZD44T + EZG144T)	1 x		274 x 264		Ø 152	OD ≤ Ø 21 OD ≤ Ø 50 OD ≤ Ø 80
2 x CM250058 + CM350704 (2 x EZD44T + EZP544MBE)	2 x		56 mm bracket width		216 x 144 (+/- 8 mm) max. 224 x 152	OD ≤ Ø 21
3 x CM250058 + CM350704 (3 x EZD44T + EZP544MBE)	3 x				330 x 144 (+/- 8 mm) max. 338 x 152	
4 x CM250058 + CM350704 (4 x EZD44T + EZP544MBE)	4 x				440 x 144 (+/- 8 mm) max. 448 x 152	
5 x CM250058 + CM350704 (5 x EZD44T + EZP544MBE)	5 x				542 x 144 (+/- 8 mm) max. 550 x 152	
1 up to 5 x CM250058 + CM350704 (1 up to 5 x EZD44T + EZP544MBE) Rockwool FirePro® Ablative Coated Batt and FirePro® Compound	1 up to 5 x			 50 mm thick FirePro® Ablative coated batt Rockwool FirePro® Firestop compound	56 mm bracket width	
4 x CM250058 + CM250370 (4 x EZD44T + EZG444T)	4 x		568 x 210		445 x 155	OD ≤ Ø 80

Fire resistance classification						
Flexible wall		Rigid wall			Rigid floor	
≥ 100 mm	≥ 122 mm	≥ 100 mm	≥ 122 mm	≥ 150 mm	≥ 150 mm	
						
-	EI120 ¹	-	EI120 ^{1/3}	EI120 / E180 ^{1/4}	-	
-	-	-	-	-	EI120 ²	
-	-	-	-	-	EI180 ¹	
-	-	-	-	-	EI120 / E180 ¹	
-	-	-	-	-	EI190 / E180 ¹	
-	-	-	-	-	EI120 ²	
-	-	-	-	-	EI120	
-	-	-	-	-	EI180 ¹	
-	-	-	-	-	EI120 / E180 ¹	

NOTE : Please refer to the ETA 18/0412 for additional information about fire resistance classification

1 : Requires cable tray in association with cable tray cover and intumescent paper sheet to be installed on top side of floor

2 : 16.6 mm Ø PVC tubes can be installed in EZ Path® with cables of OD ≤ Ø 21

3 : For telecommunications cables OD ≤ Ø 21, resistance to fire is EI120. For all sheathed cables OD ≤ Ø 21, resistance to fire of E190 / E120

4 : When annular space is filled with regular construction mortar, the integrity of the system is E240 for all sheathed cables with OD ≤ Ø 21

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