BUNDLED SERVICES FOR UP TO 4 HOURS FIRE PROTECTION

TECHNICAL DATA SHEET

BOSS Cable Transits CT120 & CT240

EDITION: 6
PUBLISHED: DECEMBER 2025

APPROVED TO AS1530.4: 2014 & AS4072.1-2005

Protecting electrical power, data, comms cables, cable trays, conduit & metal pipes from fire & smoke.

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KEY BENEFITS

- Fire rates electrical power, data & comms cabling, cable trays and metal pipes
- Designed for single cables or multiple cable bundles
- Fast & easy to install
- Use in floors and walls, including plasterboard
- Easy retrofit design
- Corrosion resistant
- Up to 4 hours fire protection
- Tested and approved to AS1530.4:2014 & AS4072.1-2005

1. INTRODUCTION

BOSS Cable Transits CT120 & CT240 are designed to prevent the spread of fire and smoke from one compartment to another where electrical power, data and comms cables penetrate through separating walls and floors.

The Cable Transit CT120 & CT240 mounting flange provides a quick and easy method of installing single or multiple Cable Transits, even in plasterboard partitions. The unique design means BOSS Cable Transits do not need mechanical fixings and clamp to the wall using metal flanges. By using larger flanges, multiple Cable transits can be banked together alongside each other, providing fire rated penetrations for multiple cables bundles, and with added changeability for future additions or alterations. The unit has a hinged split body which provides an easy retro-fit option where cables are pre-installed.

2. HOW DOES IT WORK?

The BOSS Cable Transits consist of a square round and rectangular steel sleeve containing heat reactive intumescent material. The cable transit device is placed in the wall or floor slab and the cables, cable trays and pipes pass through the device.

When exposed to the heat of a fire, the graphite based intumescent material contained in the Cable Transits expand rapidly to close and seal the inside of the sleeve, preventing the spread of fire from one compartment to another.

3. WHY USE BOSS CABLE TRANSITS CT120 & CT240?

- Approved to AS1530.4:2014 & AS4072.1-2005
- 1hr, 2hr and 4hr applications
- Fire rates electrical & comms cabling, cable trays, conduit and metal pipes
- Use in walls or floor slabs
- Corrosion resistant – ideal for aggressive environments
- Certification for a wide range of cables
- Available in a range of practical sizes
- Quick and easy to install – provides flexible cable routing
- Can be re-used repeatedly for additions and alterations to cabling
- Each unit is suitable for both cast-in or retro-fit applications
- Can easily be identified and located as a building's approved path of services

4. APPLICATIONS

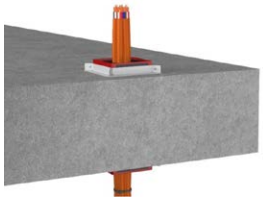
Suitable for any building where electrical power, data or communication cables penetrate a fire rated wall or floor.

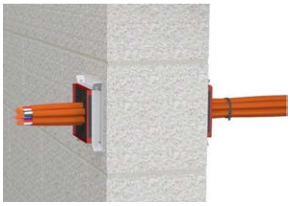
- Data Centres
- Computer / Server Rooms
- Apartment buildings
- Office buildings
- Commercial & retail centres
- Telecom sub stations
- TV & Media Studios
- Hospitals
- Airports
- Hotels

5. APPROVED SUBSTRATES

BOSS Cable Transits CT120 & CT240 are approved in a wide variety of substrates. These include:

- Fire Rated Plasterboard Walls
- AAC / Hebel Walls
- Masonry / Block / Concrete Walls
- Concrete Floor Slabs

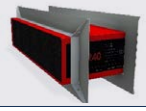




6. PRODUCT SIZES & CONFIGURATIONS

An array of installation sizes and configurations are available. Where square Cable Transits are used, banking and multiplication of flanges creates additional capacity for larger cable installation.

TABLE 1 PRODUCT SIZES & CONFIGURATIONS

Product Code	Sizes Available	Description	Configuration
CT120-65	65x65mm	CT120 – Singular Square cable transit	
CT120-100	100x100mm		
CT240-350	350x125mm	CT240 – Singular Rectangular Cable & Cable tray transit	
CT240-550	550x125mm		

7. PERFORMANCE SPECIFICATION

BOSS Cable Transits CT120 & CT240 has extensive fire test approvals in wall and floor slab applications to AS1530.4:2014 and AS4072.1-2005 offering up to FRL -/240/240. Please refer to the further tables contained in this document for specific performance information relevant to various applications.

IMPORTANT: In order to ensure performance and compliance, passive firestopping products must be installed in accordance with the test evidence, manufacturer's specifications or be the subject of a performance solution.

Each project and/or application may have specific requirements and you should investigate these carefully.

Ensure that you read and understand the appropriate certification and how it relates to your specific construction details, and ensure you seek acceptance from the Certifying Authority or compliance inspector before installation.

Ensure your installation is carried out in accordance with the test certification, manufacturer's instructions, and in accordance with the relevant local building regulations, National Construction Code or Building Code.

For updates on the range of BOSS Fire® certification, please contact BOSS Technical Services. **AU:** 1300 502 677 **NZ:** 0800 502 677 **Int:** +61 2 9524 4040 **Email:** info@bossfire.com

TABLE 2. CT120 ELECTRICAL SERVICES – WALLS

Element – Substrate	Product	Cable Designation EN 1366-3 or AS1530.4	Services	FRL	Report Reference
Minimum 116mm Fire Rated Plasterboard Wall (2 x 13mm on each side of 64mm Stud) Or Minimum 116mm Concrete Wall	**Cable Transit CT120(s)** with 290mm Wide x 5mm Insulation Wrap	A1 to A3	Up to 10 x 1.5mm² 2C+ E Cables	-/120/120	RIR FC12454-004
		B	Up to 1 x Single Core 95mm² Power Cables	-/120/120	
		C1 or C2	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/120/120	
		C3	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/120/120	
		D1	1 x 4 Core 185mm² Power Cable	-/120/120	
		D2	1 x 4 Core 185mm² Power Cable	-/120/120	
		D3	1 x 4 Core 185mm² Power Cable	-/120/120	
		E	Up to two single core 185mm² PVC Power Cables	-/120/120	
		F	100mm Diameter bundle of screened telecom cables PE sheathed	-/120/90	
		G1	1 x Single Core 95mm² PVC Insulated Unsheathed Power Cable	-/120/60	
		G2	1 x Single Core 185mm² PVC Insulated Unsheathed Power Cable	-/120/60	
	Cable Transit CT120(s)	D1 (A)	1 x Single Core 630mm² PVC Sheathed Power Cable	-/120/60	
		D1 (B)	1 x 3C+E 185mm² PVC Sheathed Power Cable	-/120/60	
		D1 (C)	3 x 3C+E 6mm² PVC Sheathed Power Cables	-/120/60	
		D1 (D)	8 x 3C+E 16mm² PVC Sheathed Power Cables	-/120/60	
		N/A	Up to 120 x CAT6, 8core Comms / Data Cables	-/120/60	
		N/A	Up to 120 x CAT5e, 8core Comms / Data Cables	-/120/60	
		N/A	Up to 25 x RG6 Coaxial Cables	-/120/60	
		N/A	Up to 17 x 2C+E 6mm² PVC Sheathed Power Cables	-/120/60	

TABLE 2. CT120 ELECTRICAL SERVICES – WALLS (CONTINUATION)

Element – Substrate	Product	Cable Designation EN 1366-3 or AS1530.4	Services	FRL	Report Reference
Concrete or Masonry Wall Minimum 150mm Thick	**Cable Transit CT120(s)** with 290mm Wide x 5mm Insulation Wrap	A1 to A3	Up to 10 x 1.5mm² 2C+ E Cables	-/240/120	RIR FC12454-004
		B	Up to 1 x Single Core 95mm² Power Cables	-/240/120	
		C1 or C2	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/240/120	
		C3	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/240/120	
		D1	1 x 4 Core 185mm² Power Cable	-/240/120	
		D2	1 x 4 Core 185mm² Power Cable	-/240/120	
		D3	1 x 4 Core 185mm² Power Cable	-/240/120	
		E	Up to two single core 185mm² PVC Power Cables	-/240/120	
		F	100mm Diameter bundle of screened telecom cables PE sheathed	-/240/90	
		G1	1 x Single Core 95mm² PVC Insulated Unsheathed Power Cable	-/240/60	
	Cable Transit CT120(s)	D1 (A)	1 x Single Core 630mm² PVC Sheathed Power Cable	-/240/60	
		D1 (B)	1 x 3C+E 185mm² PVC Sheathed Power Cable	-/240/60	
		D1 (C)	3 x 3C+E 6mm² PVC Sheathed Power Cables	-/240/60	
		D1 (D)	8 x 3C+E 16mm² PVC Sheathed Power Cables	-/240/60	
		N/A	Up to 120 x CAT6, 8core Comms / Data Cables	-/240/60	
		N/A	Up to 120 x CAT5e, 8core Comms / Data Cables	-/240/60	
		N/A	Up to 25 x RG6 Coaxial Cables	-/240/60	
		N/A	Up to 17 x 2C+E 6mm² PVC Sheathed Power Cables	-/240/60	

The table above only relates to BOSS Fire® solutions using the Cable Transit CT120 products. For other BOSS Fire® products that offer certified electrical cable penetration systems please consult the BOSS Fire® website - bossfire.com

TABLE 3. CT120 ELECTRICAL SERVICES – FLOORS

Element – Substrate	Product	Cable Designation EN 1366-3 or AS1530.4	Services	FRL	Report Reference
Minimum 150mm Thick Concrete Floor Slab	**Cable Transit CT120(s)** with 290mm Wide x 5mm Insulation Wrap	A1 to A3	Up to 10 x 1.5mm² 2C+ E Cables	-/240/240	RIR FC12454-004
		B	Up to 1 x Single Core 95mm² Power Cables	-/240/180	
		C1 or C2	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/240/120	
		C3	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/240/90	
		D1	1 x 4 Core 185mm² Power Cable	-/240/90	
		D2	1 x 4 Core 185mm² Power Cable	-/240/180	
		D3	1 x 4 Core 185mm² Power Cable	-/240/120	
		E	Up to two single core 185mm² PVC Power Cables	-/240/90	
		F	100mm Diameter bundle of screened telecom cables PE sheathed	-/240/180	
		G1	1 x Single Core 95mm² PVC Insulated Unsheathed Power Cable	-/240/60	
	Cable Transit CT120(s)	G2	1 x Single Core 185mm² PVC Insulated Unsheathed Power Cable	-/240/60	
		D1 (A)	1 x Single Core 630mm² PVC Sheathed Power Cable	-/240/60	
		D1 (B)	1 x 3C+E 185mm² PVC Sheathed Power Cable	-/240/60	
		D1 (C)	3 x 3C+E 6mm² PVC Sheathed Power Cables	-/240/60	
		D1 (D)	8 x 3C+E 16mm² PVC Sheathed Power Cables	-/240/60	
		N/A	Up to 120 x CAT6, 8core Comms / Data Cables	-/240/120	
		N/A	Up to 120 x CAT5e, 8core Comms / Data Cables	-/240/120	
		N/A	Up to 25 x RG6 Coaxial Cables	-/240/120	
		N/A	Up to 17 x 2C+E 6mm² PVC Sheathed Power Cables	-/240/60	

The table above only relates to BOSS Fire® solutions using the Cable Transit CT120 products. For other BOSS Fire® products that offer certified electrical cable penetration systems please consult the BOSS Fire® website - bossfire.com

TABLE 4. CT240 ELECTRICAL SERVICES – WALLS

Element – Substrate	Product	Cable Designation EN 1366-3 or AS1530.4	Services	FRL	Report Reference
Minimum 100mm Thick Steel Framed Plasterboard Wall Minimum 150mm Thick Concrete, Masonry or AAC Wall	**Cable Transit CT240** with 290mm Wide x 5mm Insulation Wrap	A1 to A3	Up to 10 x 1.5mm² 2C+ E Cables	-/120/120	RIR FC12454-004
		B	Up to 1 x Single Core 95mm² Power Cables	-/120/120	
		C1 or C2	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/120/90	
		C3	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/120/90	
		D1	1 x 4 Core 185mm² Power Cable	-/120/90	
		D2	1 x 4 Core 185mm² Power Cable	-/120/90	
		D3	1 x 4 Core 185mm² Power Cable	-/120/120	
		E	Up to two single core 185mm² PVC Power Cables	-/120/120	
		F	100mm Diameter bundle of screened telecom cables PE sheathed	-/120/120	
		G1	1 x Single Core 95mm² PVC Insulated Unsheathed Power Cable	-/120/120	
		G2	1 x Single Core 185mm² PVC Insulated Unsheathed Power Cable	-/120/120	

The table above only relates to BOSS Fire® solutions using the Cable Transit CT240 products. For other BOSS Fire® products that offer certified electrical cable penetration systems please consult the BOSS Fire® website - bossfire.com

TABLE 5. CT240 ELECTRICAL SERVICES – FLOORS

Element – Substrate	Product	Cable Designation EN 1366-3 or AS1530.4	Services	FRL	Report Reference
Minimum 150mm Thick Concrete Floor Slab	**Cable Transit CT240** with 290mm Wide x 5mm Insulation Wrap	A1 to A3	Up to 10 x 1.5mm² 2C+ E Cables	-/120/120	RIR FC12454-004
		B	Up to 1 x Single Core 95mm² Power Cables	-/120/60	
		C1	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/120/60	
		C2	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/120/120	
		C3	1 x 4 Core 95mm² PVC Sheathed Power Cable	-/120/120	
		D1	1 x 4 Core 185mm² Power Cable	-/120/120	
		D2	1 x 4 Core 185mm² Power Cable	-/120/120	
		D3	1 x 4 Core 185mm² Power Cable	-/120/120	
		E	Up to two single core 185mm² PVC Power Cables	-/120/90	
		F	100mm Diameter bundle of screened telecom cables PE sheathed	-/120/120	
		G1	1 x Single Core 95mm² PVC Insulated Unsheathed Power Cable	-/120/90	
		G2	1 x Single Core 185mm² PVC Insulated Unsheathed Power Cable	-/120/-	

The table above only relates to BOSS Fire® solutions using the Cable Transit CT240 products. For other BOSS Fire® products that offer certified electrical cable penetration systems please consult the BOSS Fire® website - bossfire.com

TABLE 6. CT240 INSULATED METAL PIPES – WALLS

Element – Substrate	Product	Pipe Material	Service Size & Lagging Thickness	FRL	Report Reference
Minimum 100mm Thick Concrete or Masonry Wall	**Cable Transit CT240**	Copper	10mm Dia pipe with minimum 6mm Thick K-FLEX Lagging	-/240/60	RIR FC12454-004
			28mm Dia pipe with minimum 9mm Thick K-FLEX Lagging	-/240/60	
			42mm Dia pipe with minimum 13mm Thick K-FLEX Lagging	-/240/90	
			42mm Dia pipe with minimum 40mm Thick K-FLEX Lagging	-/240/90	
		Steel	10mm Dia pipe with minimum 6mm Thick K-FLEX Lagging	-/240/90	
			10mm Dia pipe with minimum 19mm Thick K-FLEX Lagging	-/240/90	
			25mm Dia pipe with minimum 9mm Thick K-FLEX Lagging	-/240/60	
			25mm Dia pipe with minimum 25mm Thick K-FLEX Lagging	-/240/90	
			40mm Dia pipe with minimum 13mm Thick K-FLEX Lagging	-/240/90	
			40mm Dia pipe with minimum 40mm Thick K-FLEX Lagging	-/240/90	
			63.5mm Dia pipe with minimum 9mm Thick K-FLEX Lagging	-/240/60	
			63.5mm Dia pipe with minimum 32mm Thick K-FLEX Lagging	-/240/90	
			88.9mm Dia pipe with minimum 13mm Thick K-FLEX Lagging	-/240/90	

The table above only relates to BOSS Fire® solutions using the Cable Transit CT240 products. For other BOSS Fire® products that offer certified electrical cable penetration systems please consult the BOSS Fire® website - bossfire.com

TABLE 7. CT240 INSULATED METAL PIPES – FLOORS

Element – Substrate	Product	Pipe Material	Service Size & Lagging Thickness	FRL	Report Reference
Minimum 150mm Thick Concrete Floor Slab	**Cable Transit CT240**	Copper	10mm Dia pipe with minimum 6mm Thick K-FLEX Lagging	-/240/60	RIR FC12454-004
			28mm Dia pipe with minimum 9mm Thick K-FLEX Lagging	-/240/60	
			42mm Dia pipe with minimum 13mm Thick K-FLEX Lagging	-/240/60	
			42mm Dia pipe with minimum 40mm Thick K-FLEX Lagging	-/240/60	
		Steel	10mm Dia pipe with minimum 6mm Thick K-FLEX Lagging	-/240/60	
			10mm Dia pipe with minimum 19mm Thick K-FLEX Lagging	-/240/60	
			25mm Dia pipe with minimum 9mm Thick K-FLEX Lagging	-/240/60	
			25mm Dia pipe with minimum 25mm Thick K-FLEX Lagging	-/240/60	
			40mm Dia pipe with minimum 13mm Thick K-FLEX Lagging	-/240/60	
			40mm Dia pipe with minimum 40mm Thick K-FLEX Lagging	-/240/60	
			63.5mm Dia pipe with minimum 9mm Thick K-FLEX Lagging	-/240/60	
			63.5mm Dia pipe with minimum 32mm Thick K-FLEX Lagging	-/240/60	
			88.9mm Dia pipe with minimum 13mm Thick K-FLEX Lagging	-/240/60	

The table above only relates to BOSS Fire® solutions using the Cable Transit CT240 products. For other BOSS Fire® products that offer certified electrical cable penetration systems please consult the BOSS Fire® website - bossfire.com

8. HEALTH AND SAFETY

To learn more about the safe handling of **Cable Transits CT120 & CT240** see the Safety Data Sheet available at bossfire.com

9. IS THIS PUBLICATION CURRENT?

This document may be superseded by new versions. If you are unsure of whether or not this document is a current publication, please contact us. **AU:** 1300 502 677 **NZ:** 0800 502 677 **Int:** +61 2 9524 4040 **Email:** info@bossfire.com

10. LIMITATION

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BOSS Passive Fire strive to constantly improve and develop products so this information may change without notice. The information contained herein has been developed as a guide only and it does not constitute a guarantee of compliance of all applications. Each project and/or application may have specific requirements and you should investigate these carefully. Ensure that you have read and understood the appropriate certification relative to your needs, and ensure you seek acceptance from the Certifying Authority or compliance inspector before installation. For updates on the range of BOSS Fire® certification, please contact BOSS Technical Services. **AU:** 1300 502 677 **NZ:** 0800 502 677 **Int:** +61 2 9524 4040 **Email:** info@bossfire.com

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Further Information

For additional technical information on the performance of **BOSS Cable Transits CT120 & CT240**, other **BOSS Fire®** products or any other **BOSS Fire®** related information please contact us on:

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NZ: 0800 502 677

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