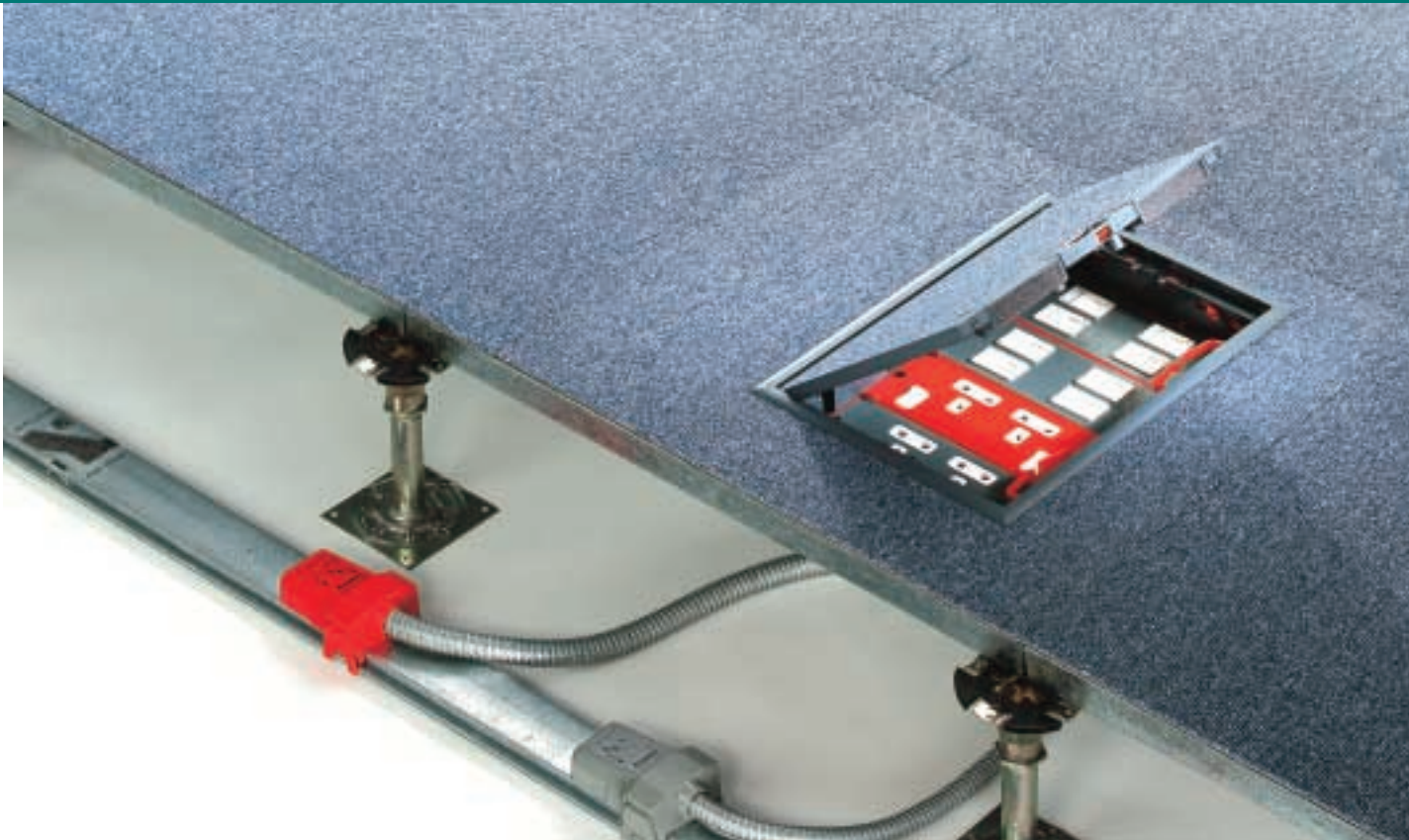




Underfloor Distribution Systems



Designed for maximum flexibility in power distribution for raised floor and overhead applications, this range of products delivers power where you and your clients need it today and in the future.

- **INTERACT POWERTRACK** is a low profile system catering for single and multi-circuit applications, suitable for standard, clean earth, uninterrupted or dedicated power supplies. Allowing power to be carried both overhead and underfloor throughout the building, the unique in-built cost saving features enable Interact to be installed quickly and simply.
- Combining **ACKERMANN CABLELINK RAPIDE EXTRA FLOORBOXES** with Interact track creates the fastest possible solution for the distribution of power, voice and data services under raised floors.
- Ackermann **CABLEMANN EXTRA GROMMET BOXES** provide a cost effective and simple means of accessing services beneath the floor, minimising the need for intermediate connections.
- **ACKERMANN SLAB BOXES** combined with Interact track and grommets provide a compact, flexible approach to the distribution of services under raised floors.

Interact Powertrack

Interact Powertrack

- **A real twin track system. Clean earth and Standard Power in one track** – A single track saves time, installation costs and is cheaper than buying two tracks
- **3 lengths of track interlinks** – Infinite flexibility to achieve maximum floor coverage
- **Patented 'snap fast' crocodile joints** – Arrives on-site ready to install. No tools needed, seconds to close, saves time and money
- **Key coded track** – Prevents mixing of power ratings
- **Dust covers on sockets and track ends** – Keeps track clean prior to installation
- **Pre-fitted sliding slab brackets** – No lost parts, no lost time
- **Easy connection to termination boards** – Large end feeds keeps connection easy
- **Large terminal capacity feed** – 16mm² cables can be accommodated
- **Integral feed powertrack** – Less parts, lower cost
- **Available in 40A and 63A** – Lower rating opens opportunities for low cost installations
- **Built in end plate** – Yellow plastic end plate doubles as lid stop. No more lost end caps

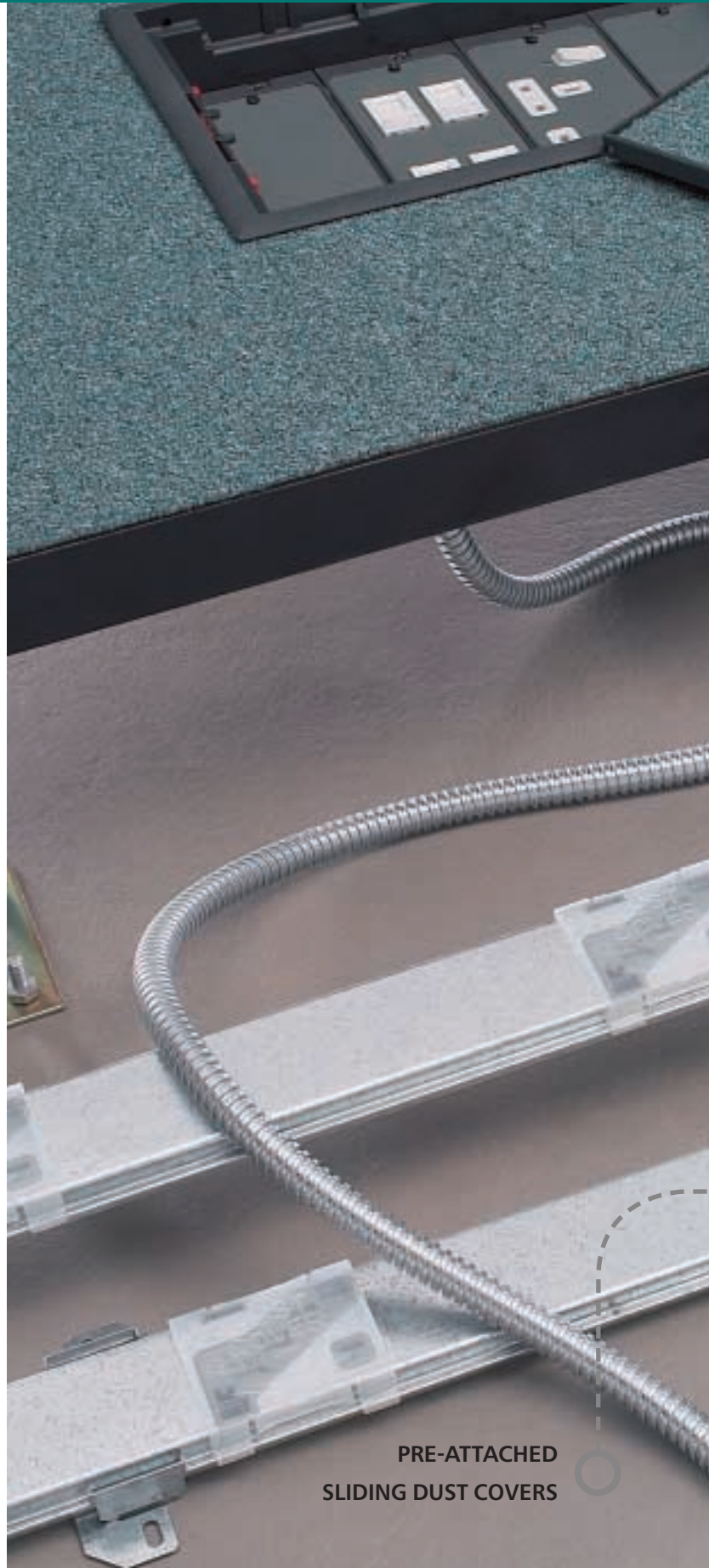
Tap-Offs

- **Key coded and colour coded tap-offs** – Provides physical segmentation to prevent circuit incompatibility
- **Re-configurable tap-off** – Enables circuits or phases to be reconfigured on site
- **3 pitch spacings** – Enables tap-offs to be fitted at regular intervals of 600mm or 300mm and 150mm for high-density sectors
- **Tap-off can be inserted or removed while system live (but not under load)** – Allows easy and immediate relocation of floor boxes and grommets
- **Dual tap-off for twin system track** – Saves cost of two tap-offs, neater and needs only one knockout to fit

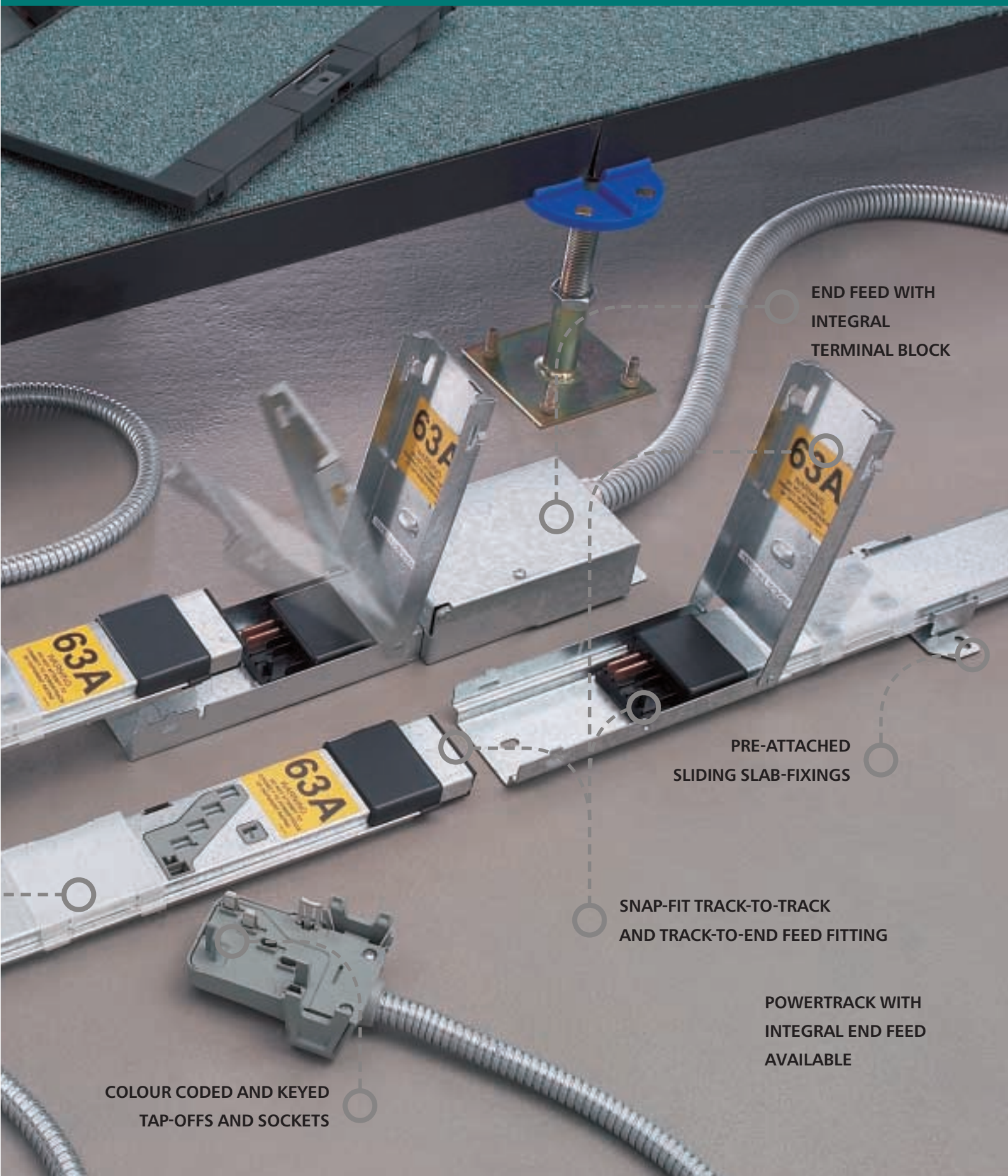
Overhead

- **Overhead solution also available**
- **Full range of powertrack, tap-offs and brackets** – To suit overhead power and lighting installations

Please contact Customer Services for details
Telephone: 0870 240 8227



PRE-ATTACHED
SLIDING DUST COVERS



END FEED WITH
INTEGRAL
TERMINAL BLOCK


PRE-ATTACHED
SLIDING SLAB-FIXINGS

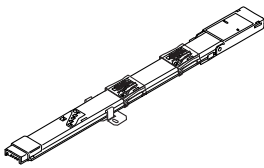
SNAP-FIT TRACK-TO-TRACK
AND TRACK-TO-END FEED FITTING

POWERTRACK WITH
INTEGRAL END FEED
AVAILABLE

COLOUR CODED AND KEYED
TAP-OFFS AND SOCKETS

Interact Technical

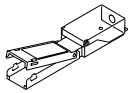
POWERTRACK 63A						
						
LENGTH mm	PITCH mm/ NO. SOCKETS	STANDARD GREY	AUX GREEN	CLEAN EARTH RED	3 PHASE GREEN	DUAL CE & STD RED / GREY
1200	150/7	UB61213 GRY	UB61213 GRN	UB61214 RED	UB61215 GRN	UB61216 DUO
	300/4	UB61233 GRY	UB61233 GRN	UB61234 RED	UB61235 GRN	UB61236 DUO
	600/2	UB61263 GRY	UB61263 GRN	UB61264 RED	UB61265 GRN	UB61266 DUO
2400	150/15	UB62413 GRY	UB62413 GRN	UB62414 RED	UB62415 GRN	UB62416 DUO
	300/8	UB62433 GRY	UB62433 GRN	UB62434 RED	UB62435 GRN	UB62436 DUO
	600/4	UB62463 GRY	UB62463 GRN	UB62464 RED	UB62465 GRN	UB62466 DUO
3600	150/23	UB63613 GRY	UB63613 GRN	UB63614 RED	UB63615 GRN	UB63616 DUO
	300/12	UB63633 GRY	UB63633 GRN	UB63634 RED	UB63635 GRN	UB63636 DUO
	600/6	UB63663 GRY	UB63663 GRN	UB63664 RED	UB63665 GRN	UB63666 DUO



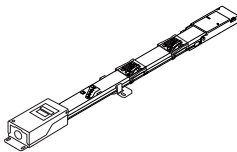
Note: All 63 Amp underfloor powertracks incorporate shutters and are rated to IP 4X

END FEEDS (Terminal Capacity = 16mm ²)					
Standard	UF63 GRY	UF63 GRN	UF64 RED	UF65 GRN	UF66 DUO

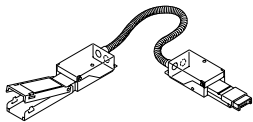
Note: Opposite End Feeds are available, please add suffix LH when ordering. Each opposite End Feed comes with an end cap to close off the end of the powertrack run.



INTEGRAL FEED POWERTRACK					* Nominal length of Powertrack excluding feed section
1200*	300/4	IFUB61233 GRY	IFUB61233 GRN	IFUB61234 RED	
2400*	300/8	IFUB62433 GRY	IFUB62433 GRN	IFUB62434 RED	
3600*	300/12	IFUB63633 GRY	IFUB63633 GRN	IFUB63634 RED	



FLEXIBLE INTERLINKS					
1200	UI6312 GRY	UI6312 GRN	UI6412 RED	UI6512 GRN	UI6612 DUO
2400	UI6324 GRY	UI6324 GRN	UI6424 RED	UI6524 GRN	UI6624 DUO
3600	UI6336 GRY	UI6336 GRN	UI6436 RED	UI6536 GRN	UI6636 DUO



TAP OFF LEADS												
TYPE	PIN POSITION			CABLE / CONDUIT+	CURRENT RATING	PROTECTION	3 METRE**		5 METRE*			
							1.5mm ²	4.0mm ²	1.5mm ²	4.0mm ²		
Standard Grey			N2 L2 PE	LSF / LSF	13A	Fused	UT31301C		UT51301C			
				16mm	32A	Unfused		UT33201		UT53201		
				16mm	13A	Fused	UT31301		UT51301			
Aux./Phase 1 Green	PE	N1	L1	LSF / LSF	13A	Fused	UT31302C		UT51302C			
				16mm	32A	Unfused		UT33202		UT53202		
				16mm	13A	Fused	UT31302		UT51302			
Phase 2 Green	PE	N1	L2	LSF / LSF	13A	Fused	UT31310C		UT51310C			
				16mm	32A	Unfused		UT33210		UT53210		
				16mm	13A	Fused	UT31310		UT51310			
Phase 3 Green	PE	N1	L3	LSF / LSF	13A	Fused	UT31311C		UT51311C			
				16mm	32A	Unfused		UT33211		UT53211		
				16mm	13A	Fused	UT31311		UT51311			
All Phase Green	PE	N1	L1 L2 L3	20mm	28A	Unfused		UT33205		UT53205		
CE Red	CE	N1	L1	LSF / LSF	13A	Fused	UT31304C		UT51304C			
				16mm	32A	Unfused		UT33204		UT53204		
				16mm	13A	Fused	UT31304		UT51304			
Duo (Red)	CE	N1	L1 N2 L2	20mm	28A	Unfused		UT33206		UT53206		

POWERTRACK 40A						
LENGTH mm	PITCH MM/ NO. SOCKETS	STANDARD GREY	AUX GREEN	CLEAN EARTH RED	3 PHASE GREEN	DUAL CE & STD RED / GREY
1200	600/2	UB41263 GRY	UB41263 GRN	UB41264 RED	UB41265 GRN	UB41266 DUO
2400	600/4	UB42463 GRY	UB42463 GRN	UB42464 RED	UB42465 GRN	UB42466 DUO
3600	600/6	UB43663 GRY	UB43663 GRN	UB43664 RED	UB43665 GRN	UB43666 DUO

Note: All 40 Amp underfloor powertracks incorporate shutters and are rated to IP 4X

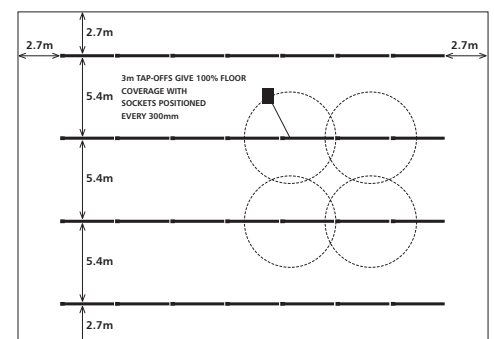
END FEEDS (Terminal Capacity = 16mm ²)					
Standard	UF43 GRY	UF43 GRN	UF44 RED	UF45 GRN	UF46 DUO

Note: Opposite End Feeds are available, please add suffix LH when ordering. Each opposite End Feed comes with an end cap to close off the end of the powertrack run.

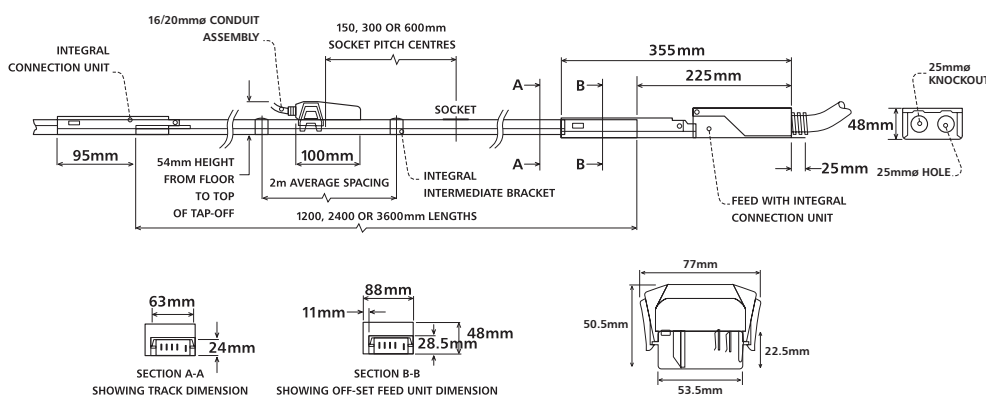
FLEXIBLE INTERLINKS					
1200	UI4312 GRY	UI4312 GRN	UI4412 RED	UI4512 GRN	UI4612 DUO
2400	UI4324 GRY	UI4324 GRN	UI4424 RED	UI4524 GRN	UI4624 DUO
3600	UI4336 GRY	UI4336 GRN	UI4436 RED	UI4536 GRN	UI4636 DUO

OTHER COMPONENTS	
Additional slab brackets	UK1
Additional end plates	UK3
Height adjustable slab bracket – track 17mm, 27mm and 39mm	UK5
Height adjustable slab bracket – infeed 17mm, 27mm and 39mm	UK5F
Additional dust cover	UKDC
Hanging bracket	UK2
Hanging bracket with hook	UK4
Hanging bracket with 50mm x 50mm trunking suspension arm	UK2E

Typical floor layout



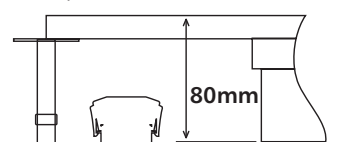
Dimensions



VOID DIMENSIONS TRACK AND TAP-OFF PLUG



TRACK, TAP-OFF PLUG AND FLOOR BOX



Notes – Tap-Offs

Alternative lengths, cable types and conduit types are available. For further information contact Customer Services.

- + All cables are LSF, with either double insulated or singles in conduit options.
- * Unfused tap-offs in excess of 3m can only be used on a powertrack protected by a 32A (or less) fuse protection device.
- ** 3m tap offs have 2.8m conduit + 3m conductors to comply with B57671 IEE wiring regulations.

Cablelink Rapide Extra Floorbox

Cablelink Rapid Extra

Frame

- **One piece frame** – Fewer parts to order and account for, quicker installation time
- **Design enables modules to be mounted / removed whilst box still insitu** – Quick installation, can replace/change modules without having to remove frame from tile, saves time and money
- **Can take modules “up and out” or “drop down” underneath floor tiles** – Makes for easier working, provides flexibility, reworking can be carried out in less time

Lid

- **Lockable lid option** – Provides security against accidental disconnection of plugs or unauthorised use
- **Easily removable and reversible lid** – Easier access when testing/reworking, saves time
- **6mm deep, rectangular carpet recess** – Easier to cut rectangular carpet insert, quicker installation

Blades

- **Quick release blades to secure firmly in position** – Fast installation, peace of mind that box is correctly secured at all four corners therefore eradicating movement, no tools required
- **Self adjusting blades** – Ensures floorbox remains secure throughout service life
- **Caters for floor thicknesses of 15 - 50mm** – Standard blades cater for most floors

Modules

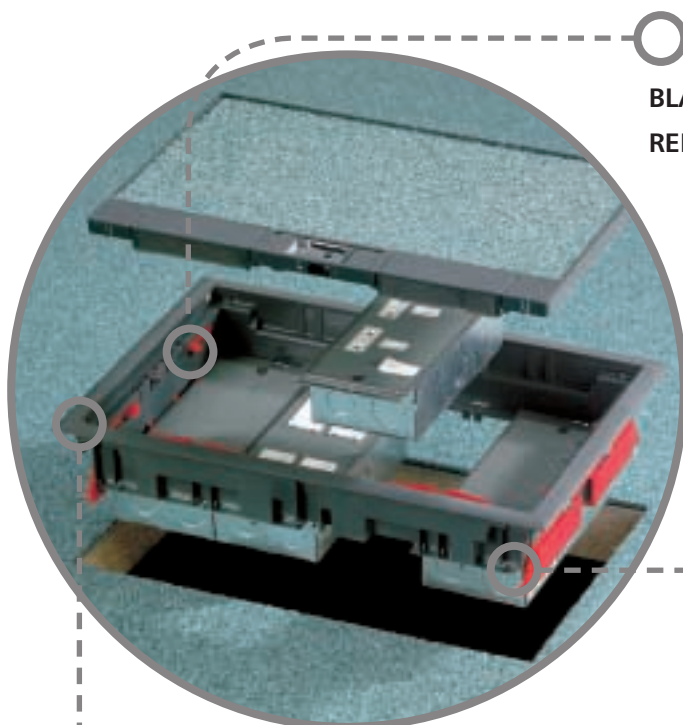
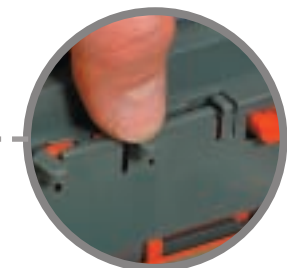
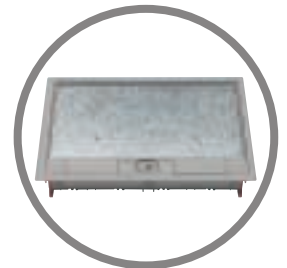
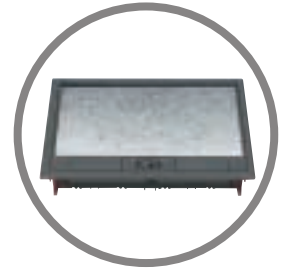
- **Wide variety of modules and accessories** – To meet your power and data requirements exactly
- **Pre-wired power modules available** – Quicker installation time
- **Cat5, 5E, 6, & Fibre solutions available** – Flexibility, and choice of data solutions
- **Modules to accept 77mm and 86mm accessories** – Provides choice to meet customers requirements

General

- **Cable retainers and cord caps** – Keeps cables tidy, reduces risk of damage to cables
- **3 depths of box available** – Makes greater use of floor void, caters for various plug types and sizes

Installation

- **One floor tile cut-out size caters for all** – Can move box to any existing Cablelink Rapide Extra cut-out



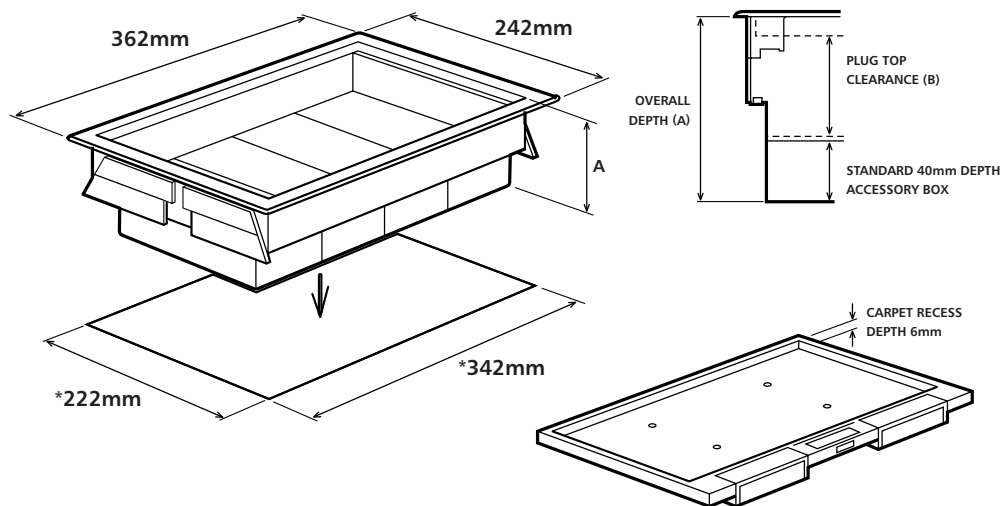
BLADE QUICK
RELEASE MECHANISM

BLADE

MOULDED FRAME

Cablelink Rapide Extra Technical

Floorbox: Tile and Frame and Floor Tile Cut-Out Dimensions for 3 and 4 Module Box



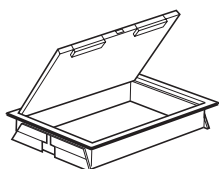
OVERALL DEPTH (A)	PLUG TOP CLEARANCE (B)
80mm	25.5mm
90mm	35.5mm
120mm	65.5mm

* General tolerance = $\pm 1.5\text{mm}$
 Tile cut-out and carpet insert cutting templates are available on request

PRE-CONFIGURED OPTIONS						
	MODULE CONFIGURATIONS				UNWIRED	WIRED
	2 gang switch socket	Blank module	4 gang Data RJ45 / LJU6C	Expansion Plate	CRX31***	CRX31W*** 607 Grey 3m
	Non-Standard (T pin) 2 gang switch socket	Blank module	4 gang Data RJ45 / LJU6C	Expansion Plate	CRX32***	CRX32W*** 607 Red 3m
	2 gang switch socket	4 gang Data RJ45 / LJU6C	4 gang Data RJ45 / LJU6C	Expansion Plate	CRX33***	CRX33W*** 607 Grey 3m
	2 gang switch socket	2 gang switch socket	4 gang Data RJ45 / LJU6C	Expansion Plate	CRX34***	CRX34W*** + 607 Grey 3m
	2 gang switch socket	Blank module	4 gang Data RJ45 / LJU6C	Blank module	CRX41***	CRX41W*** 607 Grey 3m
	Non-Standard (T pin) 2 gang switch socket	Blank module	4 gang Data RJ45 / LJU6C	Blank module	CRX42***	CRX42W*** 607 Red 3m
	2 gang switch socket	Blank module	4 gang Data RJ45 / LJU6C	4 gang Data RJ45 / LJU6C	CRX43***	CRX43W*** 607 Grey 3m
	2 gang switch socket	2 gang switch socket	4 gang Data RJ45 / LJU6C	4 gang Data RJ45 / LJU6C	CRX44***	CRX44W*** + 607 Grey 3m
	2 gang switch socket	Non-Standard (T pin) 2 gang switch socket	4 gang Data RJ45 / LJU6C	4 gang Data RJ45 / LJU6C	CRX45***	CRX45W*** DUO Red 3m

Note: *** Add suffix LGY if Light Grey trim required. Add suffix GRY if Dark Grey trim required
 + Important: This product is wired with 4mm² cable supplying 4x 13A socket outlets and must be protected accordingly.
 All Pre-Configured options are 90mm depth tile frames.
 All Pre-Configured options come with 40mm depth accessory boxes.
 All populated modules come with grey "Colourcoat" mounting plates – 72.5mm x 181mm (supplied with red surround frame).

Cablelink Rapide Extra Technical



TILE FRAME

DEPTH	2 MODULE		3 MODULE		4 MODULE	
(mm)			Standard Lid	Lockable Lid	Standard Lid	Lockable Lid
80	CLR2080***		CRX3080***	CRX3080***L	CRX4080***	CRX4080***L
90	CLR2090***		CRX3090***	CRX3090***L	CRX4090***	CRX4090***L
120	CLR2120***		CRX3120***	CRX3120***L	CRX4120***	CRX4120***L

Note: *** Add suffix LGY if Light Grey trim required. Add suffix GRY if Dark Grey trim required

Depth includes standard 40mm deep accessory box

POWER

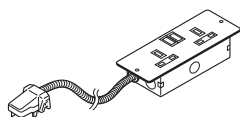
TYPE		COLOUR	MODULE+	PLATE & FRAME++
2 Gang switch socket outlet	Standard	White	CRX11730**	CRX10730**
2 Gang switch socket outlet	Non-Standard(T pin)	White	CRX11730NS**	CRX10730NS**
2 Gang RCD switch socket outlet	Standard	White	CRX11735**	CRX10735**
2 Gang socket outlet	Standard	White	CRX11731**	CRX10731**
2 Gang socket outlet	Non-Standard(T pin)	White	CRX11731NS**	CRX10731NS**
2 Gang socket outlet Angled	Standard	White	CRX11745**	CRX10745**
3 Gang socket outlet	Standard	White	CRX11720	CRX10720
2 Gang 16A 2P+E German socket outlet		White	CRX11740	CRX10740
2 Gang 15A 127V USA socket outlet		White	CRX11741	CRX10741

Note: ** Add suffix CE to part number to indicate wired as Clean Earth.

All Clean Earth (CE) options come with red "Colourcoat" mounting plate.

Note: Power modules can be supplied pre-wired to Interact Powertrack tap-offs to further speed installation.

For a full range of tap-off options and other lengths, please refer to the Interact section of this product catalogue.



Note:

+ Modules comprise of fully assembled module ready to install, complete with fixing screws.

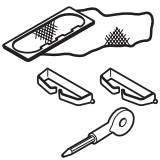
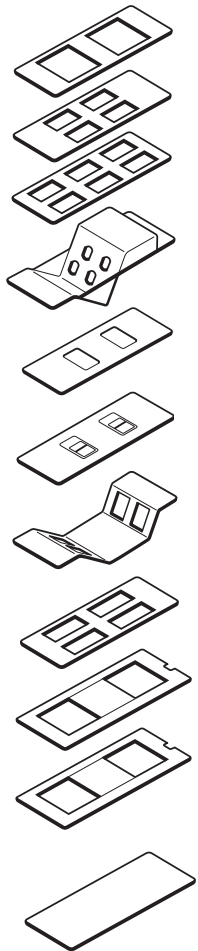
++ Plate and Frame comprises mounting plate and red surround frame, or insulated plate where appropriate, complete with fixing screws.

Extensive range of other accessories available on request.

Plates to accept 86mm² accessories are available on request, suitability dependent upon floor box configuration.

All mounting plates are metal in grey "Colourcoat" with red insulated surround frames, except where stated otherwise.

Grey colourcoat mounting plates are 72.5mm x 181mm (supplied with red surround frame).



DATA			
TYPE		MODULE+	PLATE & FRAME++
Data Plate	To accept 2x LJU/2	CRX21101	CRX20101
Data Plate	To accept 4x RJ45 or LJU6C	CRX21201	CRX20201
Data Plate	To accept 6x RJ45 or LJU6C	CRX21301	CRX20301
Data Plate	To accept 4x ST Fibre connector	CRX21500	CRX20500
Data Plate	To accept 2x MK Master or Secondary telephone sockets or RJ11 sockets	CRX21410¥	CRX20410¥
Data Plate	2x MK Master Line Jack telephone socket fitted	CRX21411	CRX20411
Data Plate	Angled mounting plate to accept 4x RJ45 or LJU6C	CRX21215	CRX20215
Data Plate	To accept 4x Alphasnap (Aperture 47.5mm x 23.6mm)	CRX21117	CRX20117
Mounting Plate	To accept 2x Euro 50x50 modules	CRX31501	CRX30501
Mounting Plate	To accept 2x 45x45 modules	CRX31502	CRX30502
Note: Full range of connectors can be supplied pre-fitted to plates. A full range of data patch leads and accessories are also available ¥ For use with MK Part Numbers 1482 WHI, 1483 WHI AND 1488 WHI			
Blank Plate		CRX31201	CRX30502

ADDITIONAL ACCESSORIES	
TYPE	LIST NO.
Cable Dump Module	CRX7000
Cable Retainers (10 off)	CRXCLIP10
Lock Key (pack 2)	CRXKEY
Cutting Template 3 & 4 Module box	CRXTEMPLATE
Cutting Template 2 Module box	CRX2TEMPLATE
Top Blade Kit (2 Module box only)	CLR9003

SPARES	
TYPE	LIST NO.
Red surround frames (pack 10)	CRXFRAME
Empty module 40mm deep	CRXABOX
Empty module 30mm deep	CRXABOX30
Empty module 50mm deep	CRXABOX50
Cable retainers (pack 10)	CRXCLIP10
Moulded expansion plate	CRX30205
Screws (pack 50) for modules and mounting plates	CRXSCREWS

Heavy Duty Floor Box

Heavy Duty Floor Box

- **Robust raised floor outlet box** – Ideal for heavy traffic environments
- **Needs no adjusting or levelling** – Supplied ready for installation
- **Concealed fixing toggles** – Adjust to secure box in floor
- **2 standard depths of box available, 68mm and 78mm** – Makes greater use of floor void, caters for various plug types and sizes and is ideal for shallow voids
- **Dividers allow for segregation of accessory plates** – Enables services of differing voltages to be contained within the same box
- **Self closing lids** – Extra safety
- **Recessed to accept carpet or other floor finishes** – Fits into any environment
- **Cable Retainers and cord caps** – Keeps cables tidy, reduces risk of damage to cables
- **Sockets have the provision for two independent earth terminals** – Can be used in installations where high integrity or clean earth facility is required (see table)
- **Flange trims available in 2mm and 4mm thickness** – Accommodate 4-8mm floor finishes or coverings



SERVICED ACCESSORY PLATES		
	SF85622	Two gang 13 amp Non Standard Switch Socket Clean Earth
	SF85671	Two gang 13 amp Switch Socket Dual Earth
	SF85672	Two gang 13 amp Socket Dual Earth
	SF85673	Two gang 13 amp Standard Switch Socket Clean Earth
	SF85634†	Two gang 13 amp Switch Socket (Side Wired)
	SF81695	2 gang socket 16A 2P+E (non UK)

†SF85634 Unassembled

Serviced Accessory plates incorporate MK Electric's unique 3 pin operated safety shutter and have socket inserts manufactured from a special composite of ABS/ Polycarbonate to give added strength. SF85622 and SF85673 are suitable for clean earth applications. SF85671 and SF85672 provide a double earth facility.

UNSERVICED ACCESSORY PLATES		
	SF81650	Blank Plate
	SF81655*	2 Gang Accessory Plate 120.6mm Fixing Centre
	SF81659	2 x BT LJU/2 Sockets
	SF81660	1 gang Accessory Plate 60.3mm Fixing Centre
	SF81662	4 x RJ45/LJU6C Data/ Telecom Sockets
	SF85631**	2 x 1 gang Telephone Sockets
	SF81665	6 x BNC Outlets
	SF81667	4 x RJ45/EURO Telephone / Data Sockets

*SF81655 Plate – Ackermann recommends that an MK Accent, Logic Plus or Edge plate socket is used.

**SF85631 – Accepts 462 WHI single gang master telephone socket, 467 WHI single gang secondary telephone sockets and 1488 WHI RJ11 telephone / data sockets

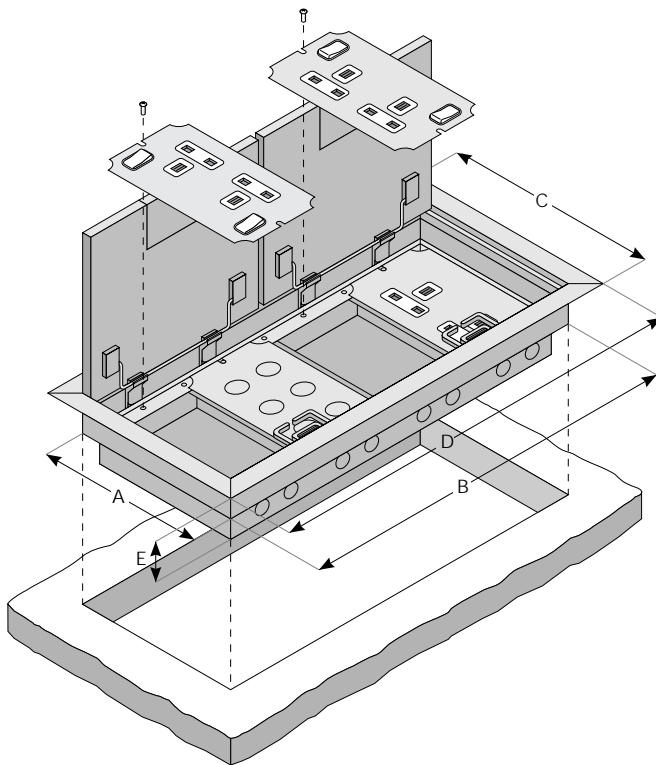
Heavy Duty Floor Box Technical

Flange Trims

Flange trims are available in a selection of two colours (dark grey and light grey) in both 2mm and 4mm thickness. Together with cable outlet flaps, which are included in the kit, they are easily fitted to provide a colour co-ordinated finish.

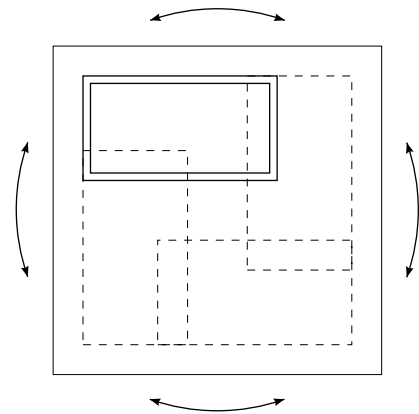
NO. COMPARTMENTS	LIST NO. 2mm	LIST NO. 4mm
2	SF81640 LGY	SF81643 LGY
3	SF81641 LGY	SF81644 LGY
4	SF81642 LGY	SF81645 LGY

No accessory plates are fitted to Heavy Duty Floorboxes. Accessory plates and flange trims should be ordered separately.



Outlet Box Location

The normal position for an outlet box is in the centre of a 600mm square floor panel. By fitting the outlet box in a corner of the panel and servicing it with flexible cables/conduits it is possible to achieve four individual locations. Should this facility be required the positioning of the box should be checked with the panel supplier.



Box Dimensions & Cut Out Details								
LIST NO.	DESCRIPTION	NOMINAL BOX DIMENSIONS		CUT OUT		DIM	DIM	DIM
		A	B	A	B	C	D	E
SF81605*	Two Compartment Outlet Box	188mm	216mm	191mm	220mm	202mm	230mm	68mm
SF81606*	Three Compartment Outlet Box	188mm	325mm	191mm	329mm	202mm	339mm	68mm
SF81607*	Four Compartment Outlet Box	188mm	426mm	191mm	430mm	202mm	440mm	68mm
SF81608*	Two Compartment Outlet Box	188mm	216mm	191mm	220mm	202mm	230mm	78mm
SF81609*	Three Compartment Outlet Box	188mm	325mm	191mm	329mm	202mm	339mm	78mm
SF81610*	Four Compartment Outlet Box	188mm	426mm	191mm	430mm	202mm	440mm	78mm

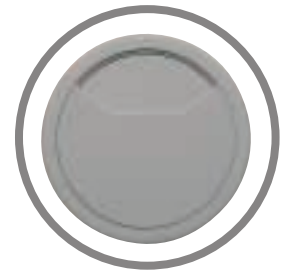
Note: Cut Out dimensions allow for pre-serviced boxes to be fitted and provide full support to the flange.

* Add appropriate colour GRY or LGY.

Cablemann Extra Grommet

GROMMET BOX

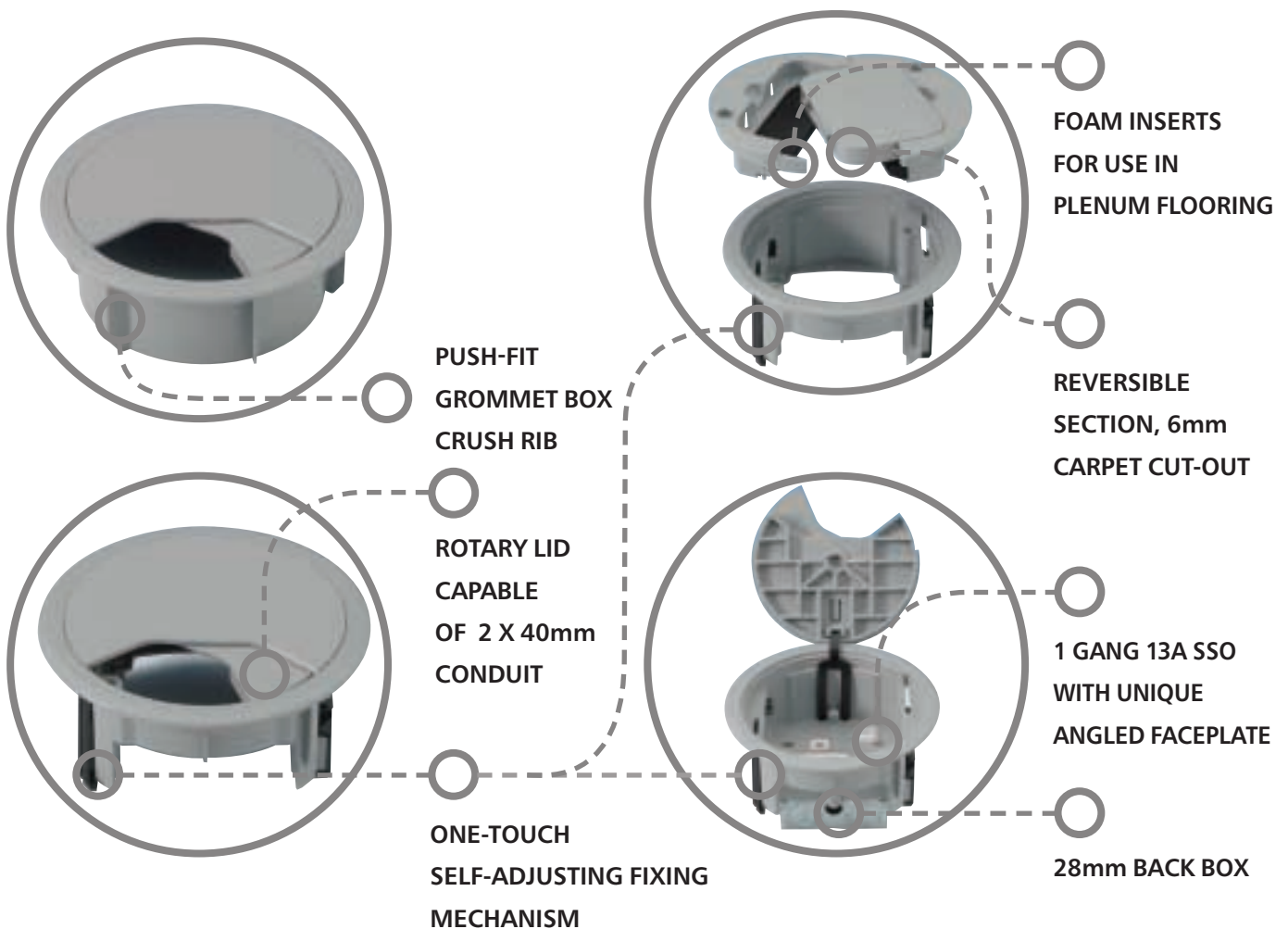
- Rotary and split lid variations accept 2 x 40mm flexible conduits – Maximum data cable access
- Split lid complete with integral foam inserts – Grips cables to minimise pressure loss in plenum floors
- Reversible split lid includes 6mm carpet cut-out – Allows grommet to virtually disappear on carpeted floors
- Simple access grommet includes moulded 'crush ribs' – Secure fitting
- Secure access grommet includes spring loaded blades – Secure fitting and easy removal
- Angled socket outlets in power grommets – Relieves strain on exiting cables and accommodates all types of moulded plug
- Unserviced RJ45 or Euro accessory grommets are available – Compatible with MK data outlets
- Available in dark and light grey to match floor boxes – Visually integrated system



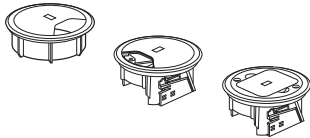
ROTARY LID



SPLIT LID



Cablemann Extra Technical



ACCESS GROMMET BOXES

DESCRIPTION	DARK GREY	LIGHT GREY
Simple Access Grommet	GR500 GRY	GR500 LGY
Secure Access Grommet	GR510 GRY	GR510 LGY
Split-Lid Grommet	GR100 GRY	GR100 LGY



POWER GROMMET BOXES

DESCRIPTION	DARK GREY	LIGHT GREY
Power Grommet BS1363 MK Switch Socket	GR200 GRY	GR200 LGY
Power Grommet MK non-std Switch Socket	GR201 GRY	GR201 LGY

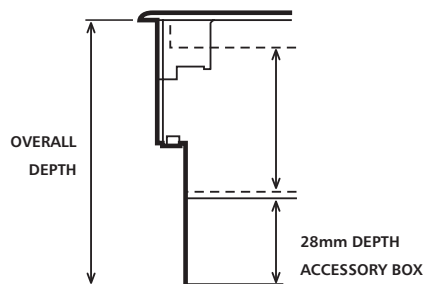


DATA OUTLET GROMMET BOXES

DESCRIPTION	DARK GREY	LIGHT GREY
50mm x 50mm Accessory Grommet (unserviced)	GR5050 GRY	GR5050 LGY
2xRJ45 Grommet (unserviced)	GR800 GRY	GR800 LGY

CABLEMANN EXTRA TECHNICAL DIMENSIONS

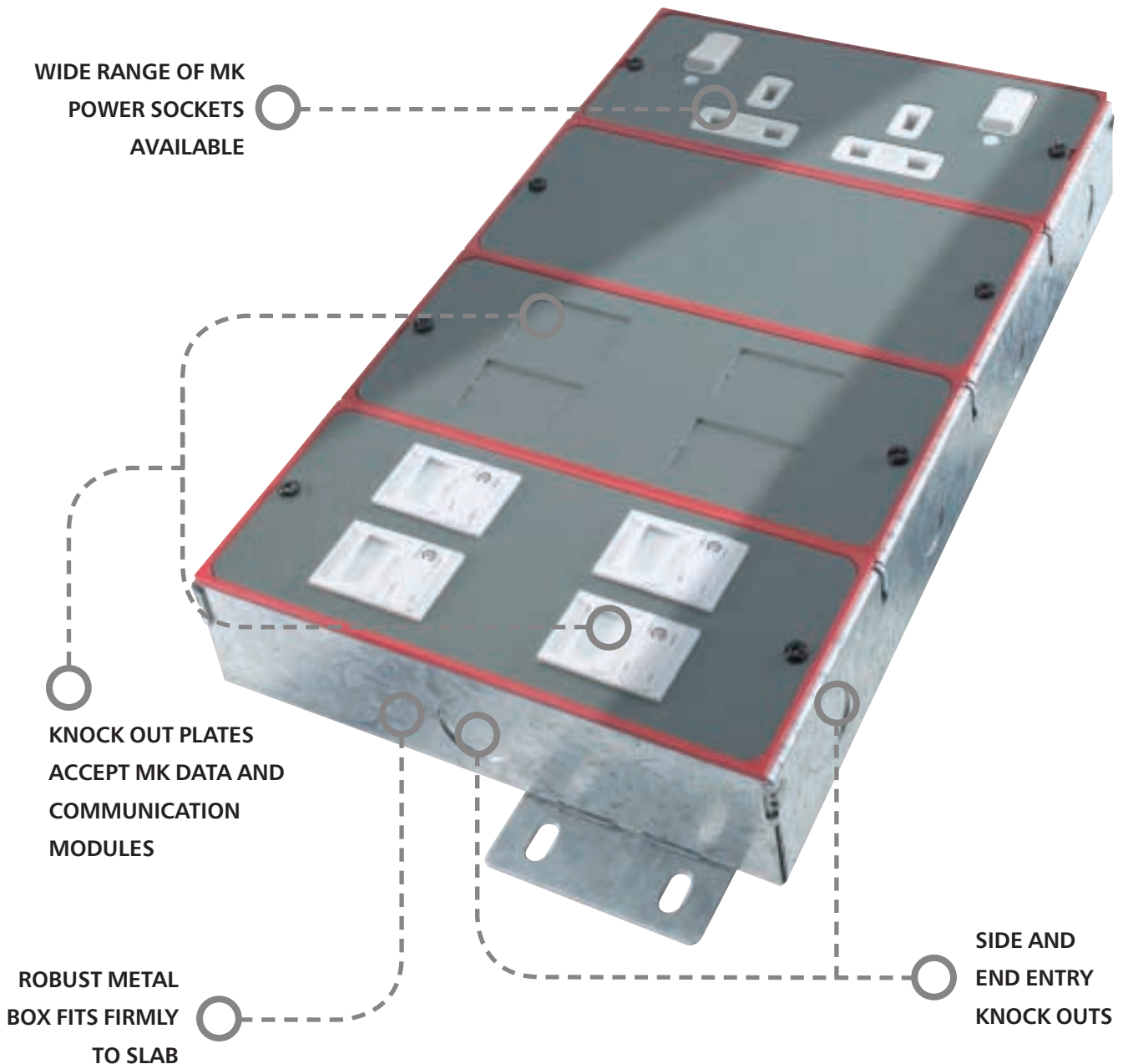
LIST NO	DESCRIPTION	DIAMETER	OVERALL DEPTH	FLOOR TILE*	CUT-OUT	KNOCKOUT	ACCESSORY CUT-OUT
GR500	Simple Access Grommet	142mm	50mm	All	127mm (+/-1)		
GR510	Secure Access Grommet	142mm	60mm	30 – 50mm	127mm (+/-1.5)		
GR100	Split-Lid Grommet	142mm	60mm	30 – 50mm	127mm (+/-1.5)		
GR200	Power Grommet BS1363 MK SSO	142mm	85mm	30 – 50mm	127mm (+/-1.5)	20mm x 3	
GR201	Power Grommet MK non-std SSO	142mm	85mm	30 – 50mm	127mm (+/-1.5)	20mm x 3	
GR5050	50x50 Accessory Grommet	142mm	85mm	30 – 50mm	127mm (+/-1.5)		50 x 50mm Euro frame fitted
GR800	2XRJ45 Grommet	142mm	85mm	30 – 50mm	127mm (+/-1.5)		36.7 x 22.2mm



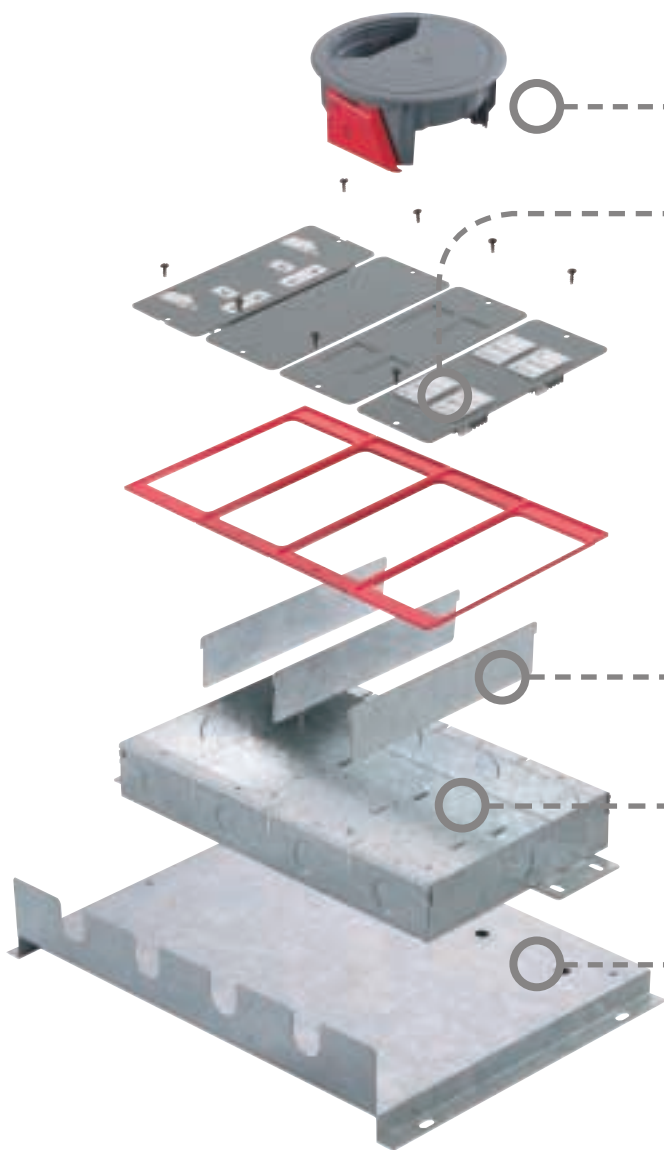
Slab Boxes

SLAB BOXES

- Connection point for the distribution of power, voice and data services – Flexible and cost effective underfloor solution
- Available in 1, 2, 3 and 4 compartments – Accommodates a wide range of accessory mounting plates
- Can be supplied pre-wired to an Interact tap-off – Fast and efficient installation
- Cable outlet entirely through Ackermann Cablemann Extra Grommet – Minimum floor disruption, and more aesthetically pleasing than other underfloor applications
- Unique MK sockets only allow access to electricity supply when all three pins are in position – Increased safety
- Cat5, 5E, 6, & Fibre solutions available – Flexibility, and choice of data solution
- Wide variety of mounting plates available – Suits most power and data requirements



Slab Boxes Technical



SELECT REQUIRED CABLEMANN EXTRA GROMMET

SELECT REQUIRED COMBINATION OF PLATES.

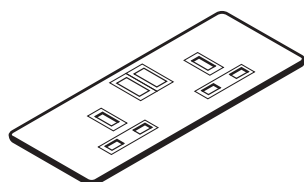
SELECT APPROPRIATE NUMBER OF PARTITIONS E.G. A 4 COMPONENT SLAB BOX REQUIRES 3 PARTITIONS. IF INTERLINKING BETWEEN POWER PLATES IS REQUIRED, SELECT AN INTERLINK PARTITION

SELECT A SLAB BOX WHICH CORRESPONDS TO THE NUMBER OF PLATES REQUIRED

OPTIONAL BOX SUPPORT AVAILABLE

Mounting Plates

For mounting plates please see Cablelink Rapide Extra Technical.



PARTITION	DESCRIPTION
SB932154	Blank
SB932155	Interlink

SLAB BOXES	DESCRIPTION	mm
SB100	1 compartment	190 x 76 x 45
SB200	2 compartments	190 x 154 x 45
SB300	3 compartments	190 x 231 x 45
SB400	4 compartments	190 x 310 x 45

BOX SUPPORT	DESCRIPTION
SB9001	1 compartments
SB9002	2 compartments
SB9003	3 compartments
SB9004	4 compartments



Technical Specification

Underfloor 63A and 40A - ASTA certified to BS EN60439-2 : 2000 clause 8.2.3.

Designed to comply with : BS EN60439-2 : 2000 and the relevant sections of BS5733 : 1995. Manufactured within ISO 9002 environment.

Electrical Specification

Rated Current	63	40	A
Rated Voltage	500	500	V
Frequency	50/60	50/60	Hz
Conditional Short Circuit Rating	16	16	kA
Resistance per Copper Conductor (At ambient temperature 20°C)	1.3	3.0	mΩ/m
Impedance per Copper Conductor (At ambient temperature 20°C)	1.3	3.0	mΩ/m

Volt Drops (Full load, concentrated at one end) (Line + Neutral)

Powertrack	2.9	7.0	mV/A/m
Feed Unit	0.6	0.6	mV/A
Tap-Off Connection	3.1	3.1	mV/A
+ 4mm ² Cable	10	10	mV/A/m
+ 1.5mm ² Cable	27	27	mV/A/m
Joint	0.6	0.6	mV/A
Flexible interlink Unit	0.8	0.8	mV/A
+ 10mm ² Cable	4.0	4.0	mV/A/m

Earth Fault Loop Impedance

Line Conductor	1.5	1.5	mΩ/m
Earth - Case	1.0	1.2	mΩ/m
- Copper	1.5	3.5	mΩ/m
- Copper + Case	0.75	1.0	mΩ/m
Feed Unit (Line + Earth)	0.6	0.6	mΩ
Tap-Off Connection (Line + Earth)	3.1	3.1	mΩ
+ 4mm ² Cable R1 + R2	10	10	mΩ/m
+ 1.5mm ² Cable R1 + R2	27	27	mΩ/m
Joint (Line + Earth)	0.6	0.6	mΩ
Flexible Interlink Unit (Line + Earth)	0.8	0.8	mΩ
+ 10mm ² Cable R1 + R2	3.7	3.7	mΩ/m

In the interests of continual improvements Ackermann reserves the right to alter, without prior notice, the design and specification of the products illustrated in this catalogue.

Mechanical Data

Max. No. of Copper Conductors	5	5	
Conductor Cross Section Area (Nominal)	14.4	6.0	mm ²
Powertrack Casing Copper Equivalent (Where Casing is Protective Earth)	14.5	12.0	mm ²
Cable Termination Capacity	16	16	mm
Tap-Off Cable 32A	4.0	4.0	mm ²
Tap-Off Cable 13A	1.5	1.5	mm ²
Tap-Off Conduit Sizes	16/20	16/20	mm dia
Flexible Interlink Cable	10	10	mm ²
Flexible Interlink Conduit	25	25	mm Ø
Integral Feed Conduit Entry	1 x 25	-	mm Ø
Feed Conduit Entry	2 X 25	2 x 25	mm Ø
IP Rating	4X	4X	

Materials Specification

Powertrack Casing, Feeds and Brackets	Galvanised Steel
Conductors	High Conductivity Copper
Powertrack Insulators	63A - Polyimide and Polyester 40A - PVC Sockets/Tap-Off Plug/Joint
Mouldings	Noryl SE1 (Modified PPO)
Shutter	Polycetal
Tap-Off/Interlink Flexible Conduit	Galvanised Steel
Tap-Off Cable (Singles in conduit)	LSF Cable to BS7211 (PVC cable to BS6004 available on request)
Tap-Off Cable (Multi-core)	Multi-core Cable to BS6500 & BS7211 LSF cable standard, PVC cable available on request.
Tap-Off Pins - line, neutral & copper earth	High Conductivity Copper and Phosphor Bronze
- Casing Earth	Brass
Flexible Interlink Cable	Flexible cable to BS6231

Average Ambient Air Temperature	25°C	30°C	35°C	40°C	50°C
RATING FACTOR	1.08	1.00	0.92	0.84	0.75

Cablelink Rapide Extra and Cablemann Extra

Installation

Cablelink Rapide Extra boxes and Cablemann Extra grommets should not be installed in the following situations:

- Where protruding electrical cables are likely to cause a safety hazard.
- In passageways, especially where trolleys or other vehicles may be used.
- On escape routes, as this may impede the evacuation of the occupants from the building.
- Where the cleaning methods employed result in the formation of pools of liquid or soaking of the floor surface.
- Desks, chairs, shelving, filing cabinets should not be positioned on the floorbox as this will interfere with opening the lid.

Ackermann offer comprehensive project support, design and technical advice. Please contact our helpline on the number below.

Ackermann

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