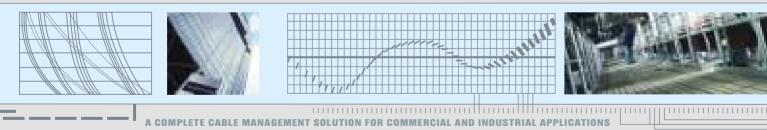
arena-walsall

Salamandre®

cable management solutions catalogue 2003/04

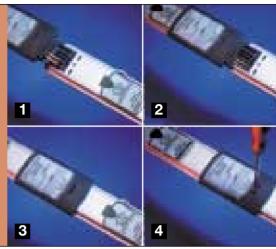




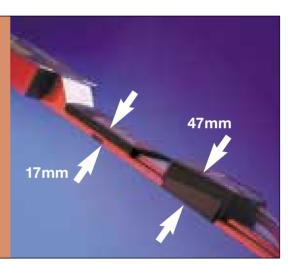


POWER TRACK

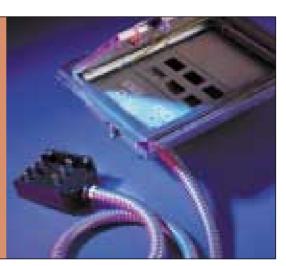




With a track height of 17 mm and an overall height of just 47 mm (including tap-offs), even the smallest of floor voids can be serviced



With multiple tap-off points, floor boxes can be supplied pre-wired in numerous configurations to meet individual requirements



www.legrand.co.uk

 ϵ

Two bar and earth 63amp Power Track system.

Standard Feeder Unit, Track Lengths and End Cap

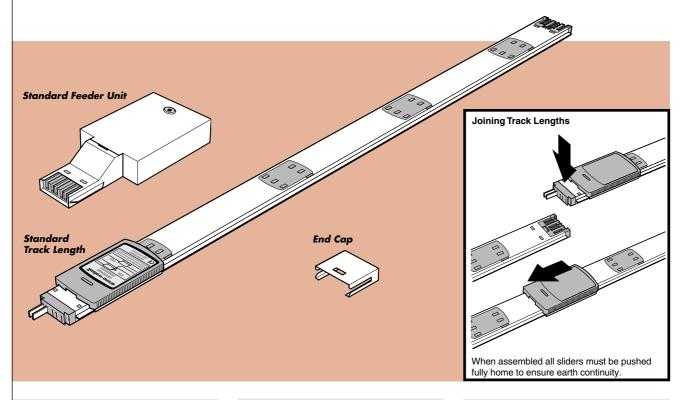
Standard Feeder Unit

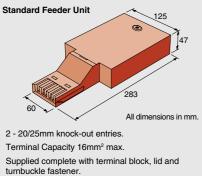
SFU

Stanaara Irack Lengths	
1.2 metres, 4 Tap-Offs	STL12
1.8 metres, 6 Tap-Offs	STL18
2.4 metres, 8 Tap-Offs	STL24
3.0 metres, 10 Tap-Offs	STL30
3.6 metres, 12 Tap-Offs	STL36

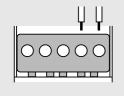
End Cap

SEC

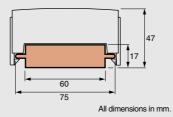




Terminal Block Connection



Standard Track Length



Track HousingManufactured from pre-galvanized sheet steel to BS4678 part 1. 1971.

Track Conductor (x2)
Manufactured from high conductivity copper.

Track Insulator

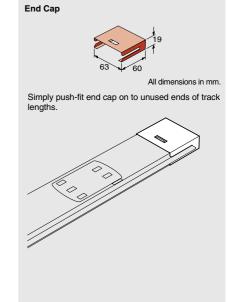
Manufactured from extruded PVC.

Sockets / Plug / Slider

Manufactured from nylon.

Shutters
Manufactured from mineral filled nylon.

Manufactured from brass.



 $C \in$

Standard Tap-Offs

Standard Tap-offs

3 Metres, Unfused	STO3U
3 Metres, Fused	STO3F
5 Metres, Fused	STO5F

All Tap-offs comply with Section 607 of BS7671: 2001 (Blue Book).

For compliance to Section 607 of BS7671: 1992 (Yellow Book) see page 145.

Standard Flexible Bend & Mark 1 Adaptor

Standard Flexible Bend

SFB1

Mark 1 to Standard Adaptor

SMA

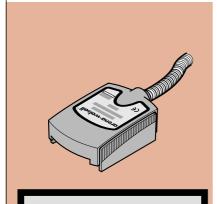
Standard Tee Units & Four Way

Standard Tee Unit

Left feed	STU/A
Centre feed	STU/B
Right feed	STU/C

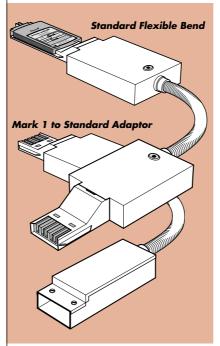
Standard Four Way

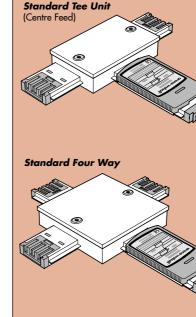
SFW

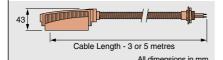


Standard tap-offs are denoted by a silver label with a black border.

These tap-offs can also be used with the Dual Circuit Power Track.







Unfused tap-offs are rated at 32amp.

Fused tap-offs are supplied with a standard BS1362 13amp fuse.

Tap-off length refers to the cable and not the

The conduit is 200mm shorter than the cable lenath.

Plug Manufactured from nylon.

Pins (x2)
Manufactured from brass.

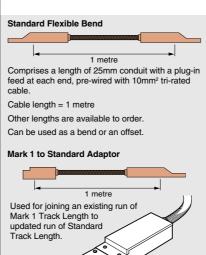
Earth / Fuse Clips

Manufactured from phosphor bronze.

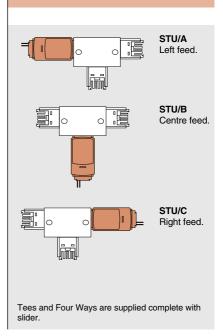
Cable

Conduit

Manufactured from galvanized steel and comes complete with a 20mm gland.



Mark 1 Track Length



clean earth

Three bar and earth 63amp Power Track system with additional fully floating clean earth bar.

Clean Earth Feeder Unit, Track Lengths and End Cap

Clean Earth Feeder Unit

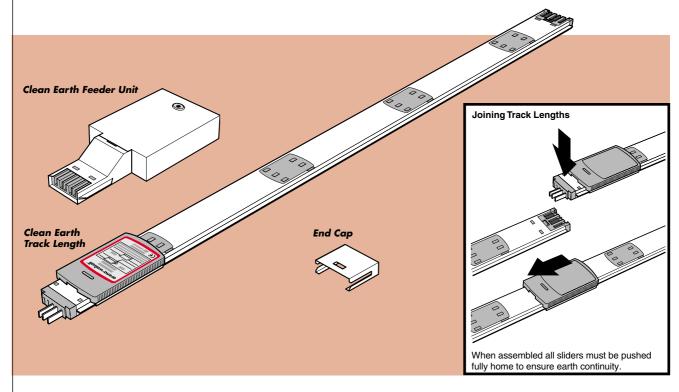
CFU

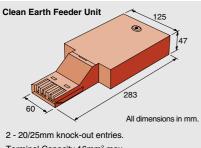
Clean Earth Track Lengths	
1.2 metres, 4 Tap-Offs	CTL12
1.8 metres, 6 Tap-Offs	CTL18
2.4 metres, 8 Tap-Offs	CTL24
3.0 metres, 10 Tap-Offs	CTL30
3.6 metres, 12 Tap-Offs	CTL36

End Cap

SEC

 ϵ

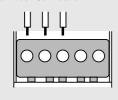




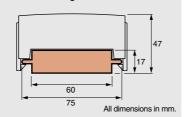
Terminal Capacity 16mm² max.

Supplied complete with terminal block, lid and turnbuckle fastener.

Terminal Block Connection



Clean Earth Track Length



Track HousingManufactured from pre-galvanized sheet steel to BS4678 part 1. 1971.

Track Conductor (x3)

Manufactured from high conductivity copper.

Track Insulator

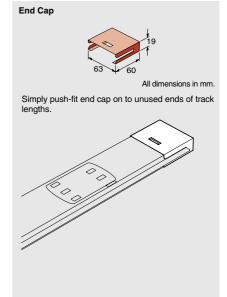
Manufactured from extruded PVC. Sockets / Plug / Slider

Manufactured from nylon.

Shutters

Manufactured from mineral filled nylon.

Manufactured from brass.



$C \in$

Clean Earth Tap-Offs

Clean Earth Tap-offs

3 Metres, Unfused	CTO3U
3 Metres, Fused	CTO3F
5 Metres, Fused	CTO5F

All Tap-offs comply with Section 607 of BS7671: 2001 (Blue Book).

For compliance to Section 607 of BS7671: 1992 (Yellow Book) see page 145.

Clean Earth Flexible Bend & Mark 1 Adaptor

Clean Earth Flexible Bend

CFB1

Mark 1 to Clean Earth Adaptor

CMA

Clean Earth Tee Units & Four Way

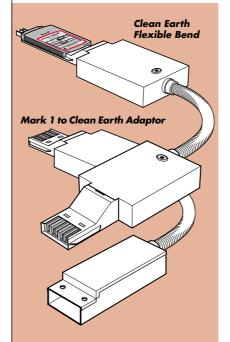
Clean Earth Tee Unit

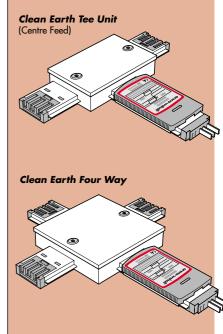
Left feed	CTU/A
Centre feed	CTU/B
Right feed	CTU/C

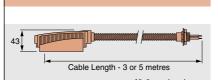
Clean Earth Four Way

CFW









Unfused tap-offs are rated at 32amp.

Fused tap-offs are supplied with a standard BS1362 13amp fuse.

Tap-off length refers to the cable and not the

The conduit is 200mm shorter than the cable lenath.

Plug

Manufactured from nylon.

Pins (x3)

Manufactured from brass.

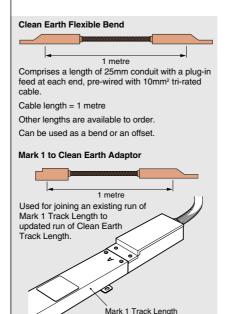
Earth / Fuse Clips

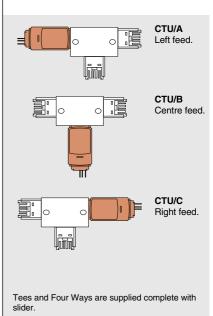
Manufactured from phosphor bronze.

Cable

Conduit

Manufactured from galvanized steel and comes complete with a 20mm gland.





dual circuit

 ϵ

Five bar and earth 63amp Power Track system incorporating both standard and clean earth systems within one enclosure.

Dual Circuit Feeder Unit, Track Lengths and End Cap

Dual Circuit Feeder Unit

DFU

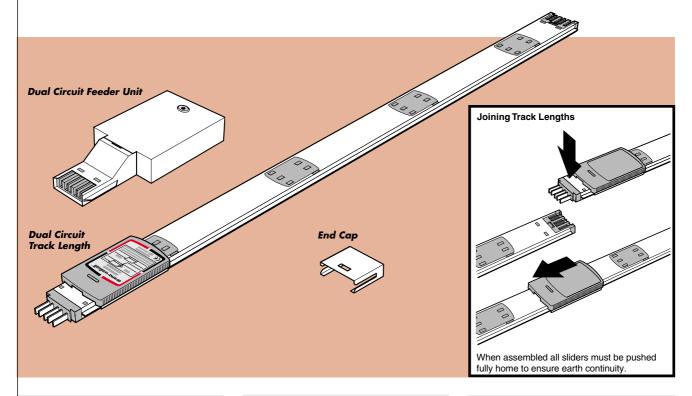
Duai Circuit Irack Lengths	
1.2 metres, 4 Tap-Offs	
1.8 motros 6 Tan-Offs	

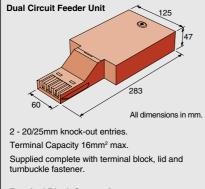
1.8 metres, 6 Tap-Offs	DTL18
2.4 metres, 8 Tap-Offs	DTL24
3.0 metres, 10 Tap-Offs	DTL30
3.6 metres, 12 Tap-Offs	DTL36

End Cap

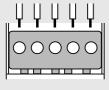
DTL12

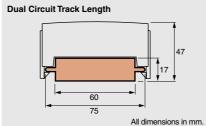
SEC











Track HousingManufactured from pre-galvanized sheet steel to BS4678 part 1. 1971.

Track Conductor (x5)

Manufactured from high conductivity copper.

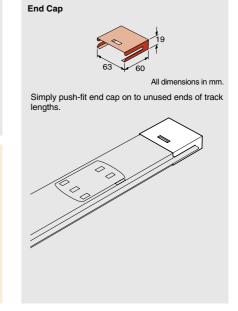
Track Insulator

Manufactured from extruded PVC.

Sockets / Plug / Slider

Shutters
Manufactured from mineral filled nylon.

Manufactured from brass.



$C \in$

Dual Circuit Tap-Offs

Dual Circuit Tap-Off

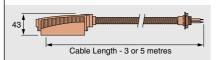
3 Metres, Unfused	DTO3U
3 Metres, Fused	DTO3F
5 Metres, Fused	DTO5F

All Tap-offs comply with Section 607 of BS7671: 2001 (Blue Book).

For compliance to Section 607 of BS7671: 1992 (Yellow Book) see page 145.

Standard and Clean Earth tap-offs may also be used with Dual Circuit Power Track, see pages -

Dual Circuit tap-offs are denoted by a silver label with a black and red border. These tap-offs can only be used with the Dual Circuit Power Track.



Unfused tap-offs are rated at 32amp.

Fused tap-offs are supplied with a standard BS1362 13amp fuse.

Tap-off length refers to the cable and not the

The conduit is 200mm shorter than the cable length

Plug Manufactured from nylon.

Pins (x5)
Manufactured from brass.

Earth / Fuse Clips

Manufactured from phosphor bronze.

Cable

Conduit

Manufactured from galvanized steel and comes complete with a 20mm gland.

Dual Circuit Flexible Bend

Dual Circuit Flexible Bend

DFB1

Dual Circuit Tee Units & Four Way

Dual Circuit Tee Unit

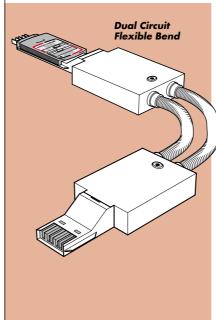
Left feed	DTU/A
Centre feed	DTU/B
Right feed	DTU/C

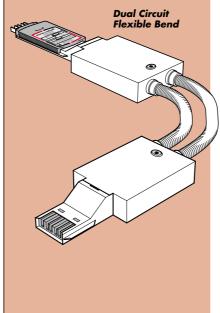
Dual Circuit Four Way

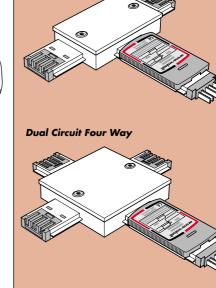
Dual Circuit Tee Unit

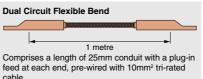
(Centre Feed)

DFW





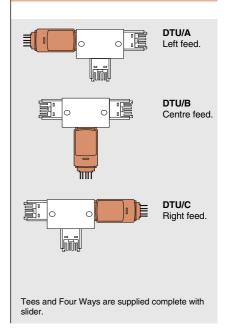




Cable length = 1 metre

Other lengths are available to order.

Can be used as a bend or an offset.



three phase

Four bar and earth 63amp Power Track system. Three phased bars, one neutral bar and earth.

Three Phase Feeder Unit, Track Lengths and End Cap

Three Phase Feeder Unit

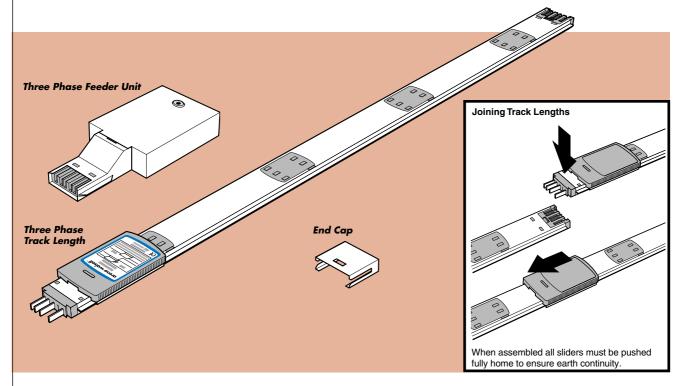
PFU

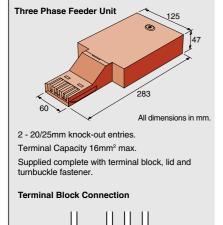
Inree Phase Irack Lengths	
1.2 metres, 4 Tap-Offs	PTL12
1.8 metres, 6 Tap-Offs	PTL18
2.4 metres, 8 Tap-Offs	PTL24
3.0 metres, 10 Tap-Offs	PTL30
3.6 metres, 12 Tap-Offs	PTL36

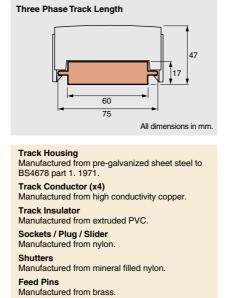
End Cap

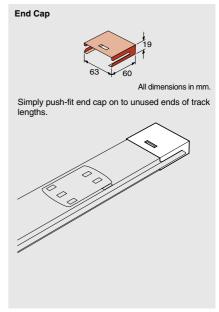
SEC

 ϵ









three phase

CE

Three Phase Tap-Offs

Three Phase Tap-offs

3 Metres, Unfused Reconfigurable	PTO3UR
3 Metres, Fused Reconfigurable	PTO3FR
3 Metres, Unfused (L1, L2 & L3 connected)	PTO3U
5 Metres, Fused Reconfigurable	PTO5FR

Three Phase Flexible Bend

Three Phase Flexible Bend

PFB1

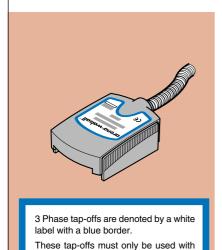
Three Phase Tee Units & Four Way

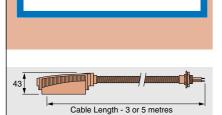
Three Phase Tee Unit

Left feed	PTU/A
Centre feed	PTU/B
Right feed	PTU/C

Three Phase Four Way

PFW





Unfused tap-offs are rated at 32amp.

the 3 Phase Power Track.

Fused tap-offs are supplied with a standard BS1362 13amp fuse.

Tap-off length refers to the cable and not the conduit length.

The conduit is 200mm shorter than the cable length.

Plug Manufactured from nylon.

Pins (x4)
Manufactured from brass.

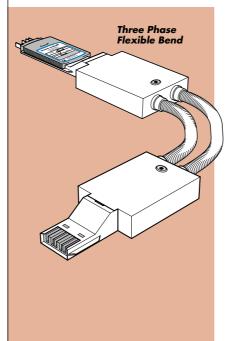
Earth / Fuse Clips

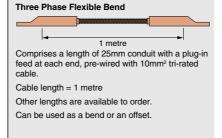
Manufactured from phosphor bronze.

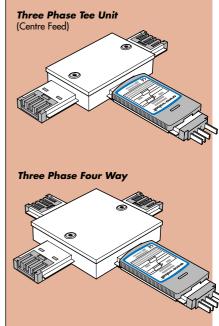
Cable

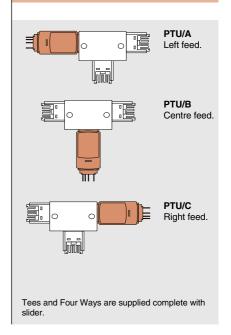
Conduit

Manufactured from galvanized steel and comes complete with a 20mm gland.









clamp and hanger brackets

Hold Down Clamp

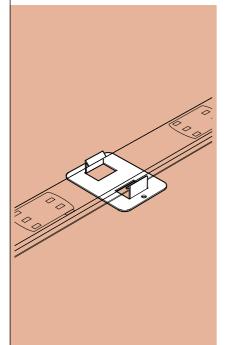
Hold Down Clamp SHC

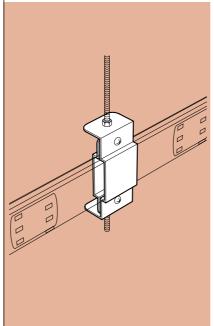
Vertical Hanger Bracket

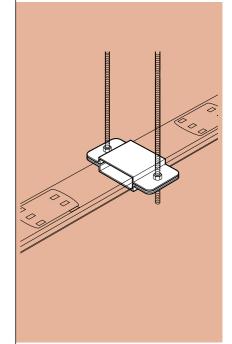
Vertical Hanger Bracket SVB

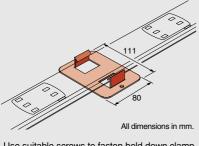
Horizontal Hanger Bracket

Horizontal Hanger Bracket SHB







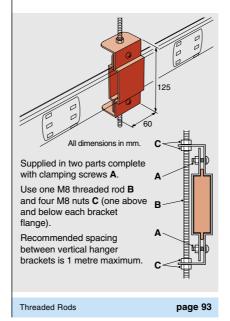


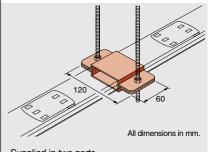
Use suitable screws to fasten hold down clamp to floor through two 6mm diameter holes.

Simply clip track length into hold down clamp (no additional fastenings required).

Recommended spacing between hold down clamps is 2 metres with at least one clamp per length.



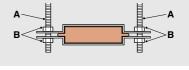




Supplied in two parts.

Use two M8 threaded rods **A** and four M8 nuts **B** (one above and below each bracket flange).

Recommended spacing between horizontal hanger brackets is 1 metre maximum.



Threaded Rods page 93



technical information

Certification





Asta Certified and tested to BS EN 60439-1:1999 and BS EN 60439-2:2000.

Manufactured within a BSI/ASTA approved BS EN ISO 9002 1994 facility.

IEE Wiring regulations

Legrand fully complies with regulations of BS7671:2001 (IEE Wiring regulations - Blue Book).

Section 607 Requirements

All items within this Product Guide comply with the relevant paragraphs of Section 607 of BS7671:2001 (IEE Wiring regulations - Blue Book).

If compliance to Section 607 of BS7671:1992 (Yellow Book) is required, then this must be stated clearly at time of order, as an extra protective conductor may be required.

Tap-Offs



Section 473-02-02 of the wiring regulations require any conductor exceeding 3m in length to have a fault current protective device (e.g. Fuse) at the point where current carrying capacity is reduced (tap-off plug).

All tap-offs over 3m will be supplied by Legrand with a BS1362 13amp fuse fitted within the plug.

If the system is to be protected by a 32amp breaker then Unfused tap-offs exceeding 3m may be specified at time of order.

4mm² LSF cable is used in all fused and unfused tap-offs.

System Coding

The four systems are colour coded using the following format:

System	Label Border	Background
Standard	Black	Silver
Clean Earth	Red	Silver
Dual Circuit	Black and Red	Silver
3 Phase	Blue	White

The sytem is designed such that locations of all conductors are consistant throughout the standard, Clean Earth and Dual Circuit variants.

This means that tap-offs from the Standard and Clean Earth systems can be used with the Dual Circuit track to tap-off the relevant circuit.

At any time along a run of Dual Circuit track the installation could be down graded, if required, to either the Standard or Clean Earth systems.



power track system technical information

Specification / Technical Data

63amps
250V / 415V
50/60 Hz
16kA
3 mΩ/m
1.5mΩ/m
3mV/A / m
10mV/A / m
3.7mV/A / m
0.3mV/A / m
0.4mV/A / m
1.5mΩ/m
1.2mΩ/m
33m Ω (3 metre L/N/E)
0.3m Ω
0.4m Ω
3.7m $Ω$ (1 metre length L/N/E)

Mechanical Data	
Number of Conductors	PE + 2,3,4 & 5
Track Conductor cross section area	13mm²
Incoming Cable termination capacity	16mm²
Tap-Off Cable 32amp Unfused	4mm²
Tap-Off Cable 32amp Fused	4mm²
Tap-Off Conduit	16mm / 20mm Diameter
Feeder Conduit Entry	20mm / 25mm Diameter
IP Rating	IP40 (When fully assembled)
Maximum Profile Height	47mm Including Tap-Off
Track Height	1 <i>7</i> mm

Galvanized Steel
High Conductivity Copper
Self Extinguishing PVC Extrusion
Nylon
Nylon
Glass Filled Nylon
LSF/PVC
Brass

technical information

Typical Layout

- 3 compartment service outlet box complete with 1 standard twin socket and 1 clean earth red twin socket.
- 3 compartment service outlet box complete with 2 clean earth red twin sockets.
- 3 compartment service outlet box complete with 2 standard twin sockets.

A typical layout might consist of numerous service outlet boxes with both standard and clean earth sockets, e.g. within a call centre.

Two boxes with just clean earth sockets (fax, photocopier etc.) and boxes with standard sockets in the meeting rooms. With the Arena-Walsall Power Track the boxes with both standard and clean earth sockets can be fed with a dual circuit tap-off into dual circuit track. The two clean earth boxes can be fed from the dual circuit track with just a clean earth tap-off.

The system can then be downgraded by connecting standard track on to the dual circuit track by means of a flexible bend or direct connection. The continuing circuit is then restricted to a standard 2 bar and earth. This will save the contractor time and money by eliminating the need for extra feed cable, feed units and end caps that would be required with separate systems.

