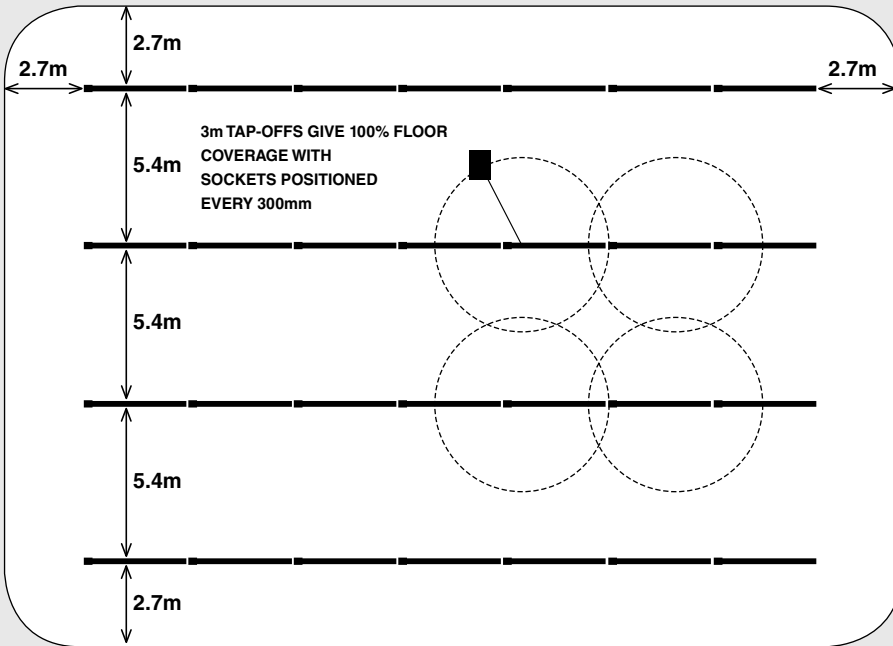
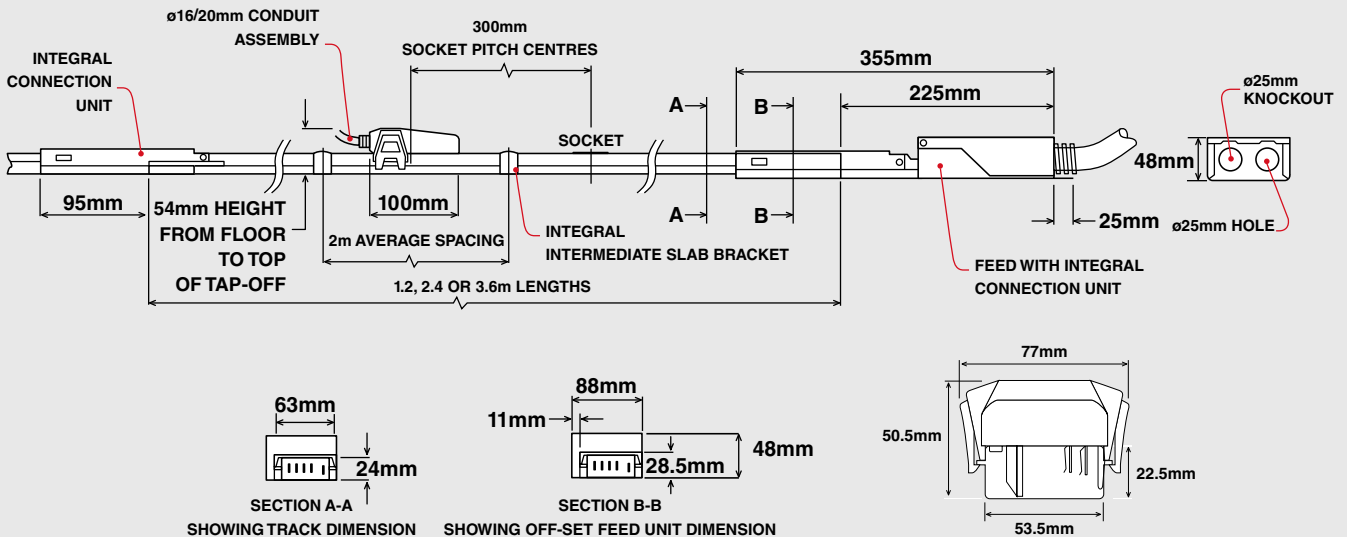


Interact Underfloor Power

Typical Floor Layout



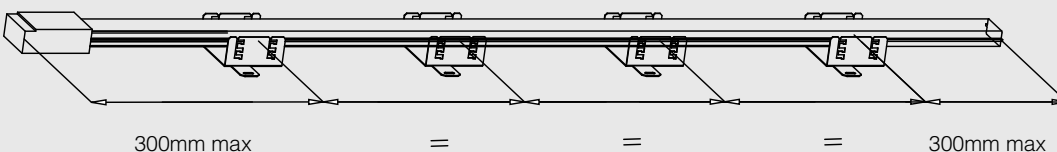
Dimensions



Elevating fixing brackets should be positioned within 300mm from either end of a track run and either side of all joints.

Minimum support requirement:

- 3.6 metre length = 4 brackets equally spaced
- 2.4 metre length = 3 brackets equally spaced
- 1.2 metre length = 2 brackets equally spaced



Interact Underfloor Technical

Interact Underfloor Power

Standards and Approvals

Underfloor 63A – complies with BS EN 61534:2011

Manufactured within ISO 9000-9002 environment.

TECHNICAL SPECIFICATION		
ELECTRICAL SPECIFICATION	63A	
Rated Current	63	A
Rated Voltage	480	V
Frequency	50/60	Hz
Conditional Short Circuit Rating	16	kA
Resistance per Copper Conductor (At ambient temperature 20°C)	1.3	mΩ/m
Impedance per Copper Conductor (At ambient temperature 20°C)	1.3	mΩ/m
VOLT DROPS (FULL LOAD, CONCENTRATED AT ONE END) (LINE + NEUTRAL)		
Powertrack	2.9	mV/A/m
Feed Unit	0.6	mV/A
Tap-off Connection	1.6	mV/A
+ 4mm ² Cable	10	mV/A/m
+ 2.5mm ² Cable	18	mV/A/m
Joint	0.6	mV/A
Flexible interlink Unit	0.8	mV/A
+ 10mm ² Cable	4.0	mV/A/m
EARTH FAULT LOOP IMPEDANCE		
Line Conductor	1.5	mΩ/m
EARTH		
– Case	1.0	mΩ/m
– Copper	1.5	mΩ/m
– Copper + Case	0.75	mΩ/m
Feed Unit (Line + Earth)	0.6	mΩ
Tap-off Connection (Line + Earth)	3.1	mΩ
+ 4mm ² Cable R1 + R2	10	mΩ/m
+ 2.5mm ² Cable R1 + R2	18	mΩ/m
Joint (Line + Earth)	0.6	mΩ
Flexible Interlink Unit (Line + Earth)	0.8	mΩ
+ 10mm ² Cable R1 + R2	3.7	mΩ/m

MECHANICAL DATA	63A	
Max. No. of Copper Conductors	5	
Conductor Cross Section Area (Nominal)	14.4	mm ²
Powertrack Casing Copper Equivalent (Where Casing is Protective Earth)	14.5	mm ²
Cable Termination Capacity	16	mm ²
Tap-off Cable 32A	4.0	mm ²
Tap-off Cable 13A	2.5	mm ²
Tap-off Conduit Sizes	16/20	Ømm
Flexible Interlink Cable	10	mm ²
Flexible Interlink Conduit	25	Ømm
Integral Feed Conduit Entry	1 x 25	Ømm
Feed Conduit Entry	2 x 25	Ømm
IP Rating	4X	
MATERIALS SPECIFICATION		
Powertrack Casing, Feeds and Brackets	Galvanised Steel	
Conductors	High Conductivity Copper	
Dust cover		
Powertrack Insulators	63A – Polyamide and polyester	
	Polycarbonate Sockets / Tap-off	
	Plug / Joint	
Mouldings	Polycarbonate	
Shutter	Acetal	
Tap-off/Interlink Flexible Conduit	Galvanised Steel	
Tap-off Cable (Singles in Conduit)	LSF cable to BS 7211 (PVC Cable to BS 6004 available on request)	
Tap-off Cable (Multi-core)	Multi-core cable to BS 6500 & BS 7211 LSF cable standard (PVC cable available on request)	
TAP-OFF PINS		
– Line, Neutral & Copper Earth	Copper and Phosphorous Bronze, tin plated	
– Casing Earth	Brass, tin plated	
Flexible Interlink Cable	10mm ² cable to BS 6231	

3m tap off is actually 2.7/2.8m fully stretched, shortened by 0.1 - 0.2m of slack to ensure it remains flexible when wired to a module.