

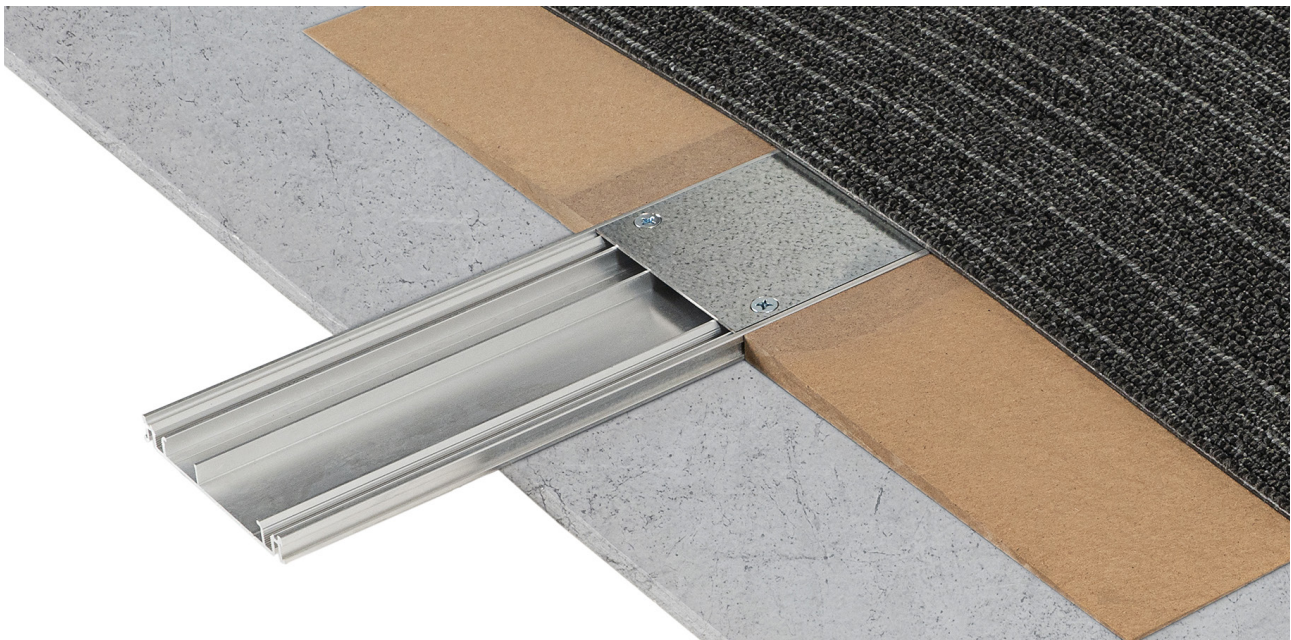
## LOW PROFILE FLOOR DUCT – Carpet Ramp

### AT A GLANCE...

- Mounting: Concealed with carpet ramps
- Size: 106 x 12 mm (excluding ramps)
- Body: 2 division extruded aluminium
- Cover: Galvanised steel

**“Easy as ECD®”**

- Fully accessible floor duct system suitable for commercial, education and retail applications where chasing of trenches in the concrete floor is not possible or is cost prohibitive.
- Used for reticulation of cables/services to isolated locations within a room/space.
- Suited to flexible floor finishes like carpet and vinyl.
- Extruded aluminium duct body with continuous threadform sections for easy securing of duct covers and other accessories.
- Segregated to suit multiple services including power, data, comms, with offset barrier for greater data/comms capacity.
- Multiple duct runs can be mounted adjacent for greater cable capacity.
- Robust galvanised steel duct covers to suit foot traffic.
- Carpet ramps on each side of the duct enables the floor finish (eg. carpet) to fit over the duct for a neat & concealed installation.
- Carpet ramp dimensions comply with AS/NZS1428.1 clause 10.5 Threshold Ramps to provide ease of accessibility (wheelchairs, etc.).
- 90 degree bend kits available in left and right hand configurations to assist with easy on site installation.
- Wall and skirting kits available for easy transition of cables into the duct body.
- Compatible with a range of ECD standard surface mount floor boxes and Umbilicals.
- This product has been examined in accordance with AS3000 and A.C.M.A. requirements.



ESTABLISHED 1979

**Electric Cable Duct Systems P/L**

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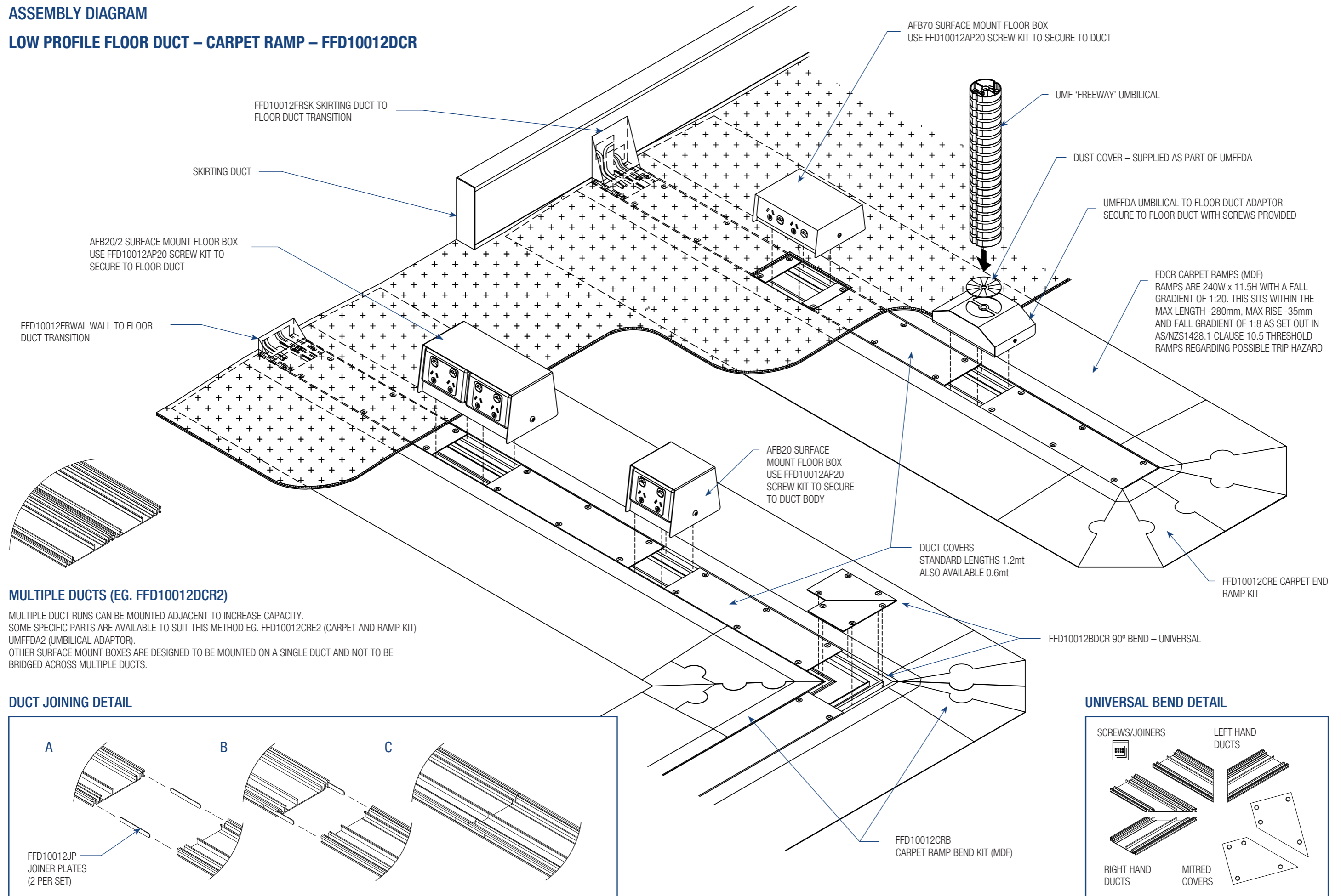
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ABN 80005544105

## ASSEMBLY DIAGRAM

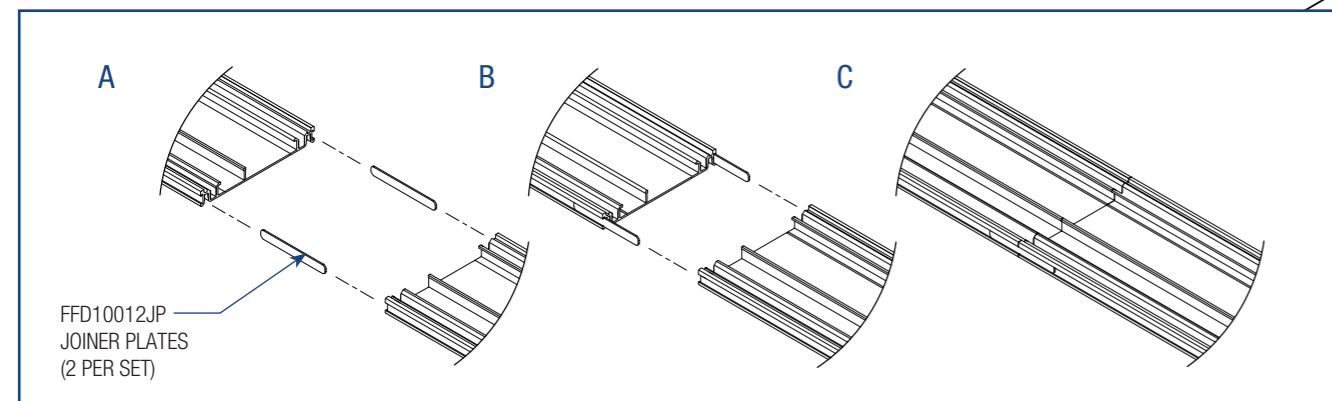
### LOW PROFILE FLOOR DUCT – CARPET RAMP – FFD10012DCR



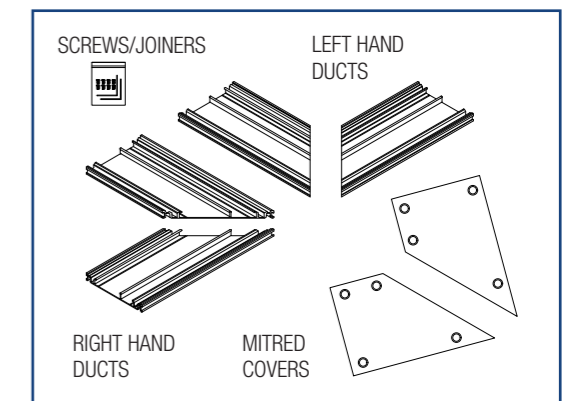
### MULTIPLE DUCTS (EG. FFD10012DCR2)

MULTIPLE DUCT RUNS CAN BE MOUNTED ADJACENT TO INCREASE CAPACITY.  
SOME SPECIFIC PARTS ARE AVAILABLE TO SUIT THIS METHOD EG. FFD10012CRE2 (CARPET AND RAMP KIT)  
UMFFDA2 (UMBILICAL ADAPTOR).  
OTHER SURFACE MOUNT BOXES ARE DESIGNED TO BE MOUNTED ON A SINGLE DUCT AND NOT TO BE BRIDGED ACROSS MULTIPLE DUCTS.

### DUCT JOINING DETAIL

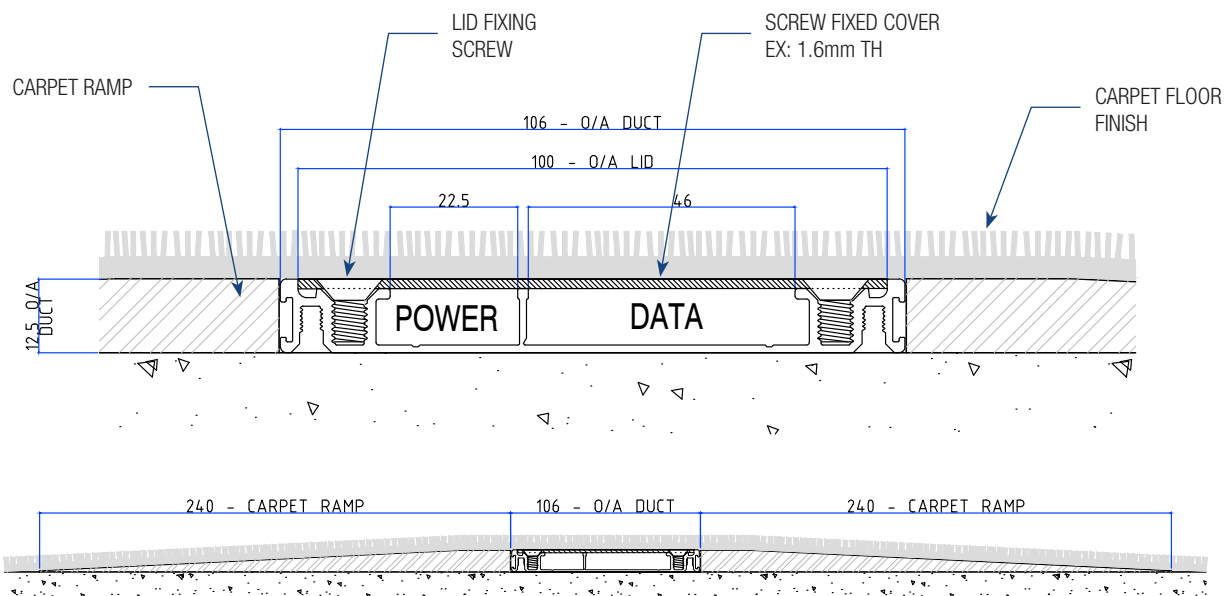


### UNIVERSAL BEND DETAIL



## SECTION VIEW

### LOW PROFILE FLOOR DUCT – CARPET RAMP – FFD10012DCR



### CABLE CAPACITY CHART (ALLOWS FOR 60% AIR SPACE)

POWER CABLES		DATA CABLES		
2.5 mm <sup>2</sup>	4.0 mm <sup>2</sup>	Cat. 5E	Cat. 6	Cat. 6A
2	1	8	5	4

### POINT LOAD TABLE

POINT LOAD SIZE	LOAD TYPE	MAX. LOAD	LOAD CONTACT POINTS
10 x 10 mm	Stiletto heeled shoe	55 kg	2 per shoe ( x number of legs)
25 x 25 mm	Chair leg	72 kg	Typically 4 – adjust as required
50 x 50 mm	Castor/wheel	90 kg	Typically 4 – adjust as required

Note: Max load should be multiplied by load contact points per total load.

eg. – chair leg max load 72kg x 4 contact points = 288kg total load

– stiletto heel max load 55kg x 2 contact points = 110kg per foot/leg ( x 2 legs = 220kg total load)

### PARTS LIST

DESCRIPTION	PART NO.
Floor duct 100 x 12 mm (suits carpet ramps) c/w gal steel covers – 3 mt lengths	FFD10012DCR
Carpet ramps – 1.2 mt lengths (5 required for 3 mt length of duct)	FDCR
Carpet ramp end kit (1 required at end of duct run)	FFD10012CRE
Stop ends – aluminium	FFD10012SEFR
Bend – 90° (universal left or right hand duct kit) – required with FFD10012CRB	FFD10012BDCR
Bend – 90° (mitred carpet ramp kit) – required with FFD10012BDCR	FFD10012CRB
Fixing kit – fixings, drill bit, glue, double sided tape (recommended 1 per 3 mt duct/ ramps)	CRFX
Skirting duct to floor duct transition – stainless steel (95 mm H)	FFD10012FRSK**
Wall to floor duct transition – stainless steel (40 mm H)	FFD10012FRWAL**
Umbilical adaptor box (excludes umbilical) – stainless steel	UMFFDA**
Above floor box mounting kit (screws) to suit AFB20, AFB20/2 and AFB70	FFD10012AP20

\*\* Standard finish is Stainless Steel (finished) unless specified. Add 'BK' for Black