

# PVC cable tray

## technical information (continued)

### ■ Cable loading information

The table below gives safe working loads (SWL) in N/m. SWL are acceptable up to 40 °C for spans of 1.5 m and 60 °C for spans of 1 m, on the European test standard

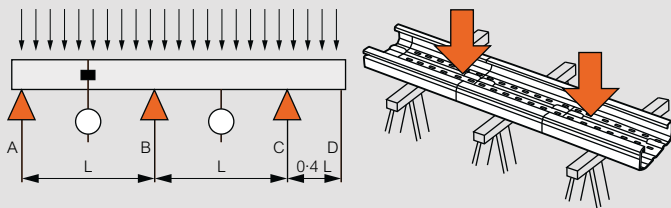
Profile widths (mm)	Profile depths (mm)		
	50	75	100
75	7	12	-
100	10	16	-
150	15.5	25	-
200	19.5	35	42
300	27	48	66
400	41	70	90
500	-	-	113
600	-	-	135.5

### ■ Safe working load test

The test for cable loading conforms to BS EN 61537 test type 1

The following conditions apply to the test as shown in diagram below

1. The cable tray is supported at 1.5 m spans and not fixed to supports during tests
2. The coupler joint is at the centre of support A - B
3. The fixing torque for coupler bolts is 2.5 N/m
4. The test load is a uniformed distributed load (UDL) over the test area of 2 spans and cantilever
5. The longitudinal deflection on a span is limited to the span length divided by 100
6. The transversal deflection reached in the centre of the cable tray bed is limited to bed width divided by 20



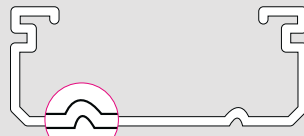
### ■ Design of the lengths

#### Width 75 to 150 mm



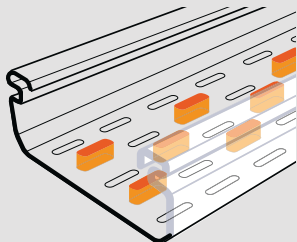
Totally flat profile, optimising the cabling capacity

#### Width 200 to 600 mm

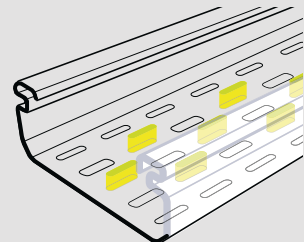


With 2 ribs on the base to take higher loads

### ■ Base perforations

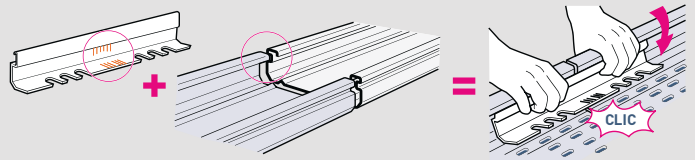


9 x 25 mm perforations for PVC screws - diameter 8 mm



7 x 25 mm perforations for PVC screws - diameter 6 mm

### ■ Clipping lengths together



Marking system for installing couplers according to temperature conditions (to enable the PVC to expand)

### ■ Resistance to impacts

The products are tested at -5 °C temperature according to EN 61537 standard

Profile widths (mm)	Profile depths (mm)		
	50	75	100
75	5 J	5 J	-
100	5 J	10 J	-
150	10 J / 20 J <sup>1</sup>	10 J / 20 J <sup>1</sup>	-
200	10 J	20 J	20 J
300	10 J	20 J	20 J
400	10 J	20 J	20 J
500	-	-	20 J
600	-	-	20 J

1 : Unperforated