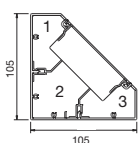


Aluminium trunking capacity guide

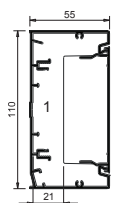
Trunking height up to 150mm



**Bench trunking – no box**  
 1 & 3 = 1842mm<sup>2</sup> total area  
 1 & 3 = 829mm<sup>2</sup> 45% space factor  
 2 = 3342mm<sup>2</sup> total area  
 2 = 1504mm<sup>2</sup> 45% space factor

**With box in comp 2**  
 2 = 2188mm<sup>2</sup> total area  
 2 = 984mm<sup>2</sup> 45% space factor

**Internal dimensions**  
 Compartment 1 = 101 x 101mm

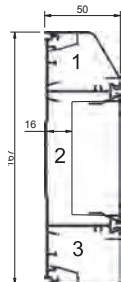


**Elegance 110 aluminium – no box**  
 1 = 5254mm<sup>2</sup> total area  
 1 = 2364mm<sup>2</sup> 45% space factor

**With box in comp 1**  
 1 = 2987mm<sup>2</sup> total area  
 1 = 1344mm<sup>2</sup> 45% space factor

**Internal dimensions**  
 Compartment 1 = 107 x 52mm

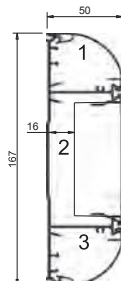
Trunking height from 150mm to 200mm



**Sterling Profile 2 – no box**  
 1 = 1060mm<sup>2</sup> total area  
 1 = 477mm<sup>2</sup> 45% space factor  
 2 = 3802mm<sup>2</sup> total area  
 2 = 1711mm<sup>2</sup> 45% space factor  
 3 = 1400mm<sup>2</sup> total area  
 3 = 630mm<sup>2</sup> 45% space factor

**With box in comp 2**  
 2 = 1535mm<sup>2</sup> total area  
 2 = 691mm<sup>2</sup> 45% space factor

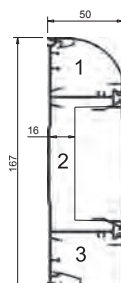
**Internal dimensions**  
 Compartment 1 = 39 x 45mm  
 Compartment 2 = 86 x 46mm  
 Compartment 3 = 37 x 45mm



**Sterling Curve Aluminium Profile 1 – no box**  
 1 & 3 = 993mm<sup>2</sup> total area  
 1 & 3 = 447mm<sup>2</sup> 45% space factor  
 2 = 3275mm<sup>2</sup> total area  
 2 = 1474mm<sup>2</sup> 45% space factor

**With box in comp 2**  
 2 = 959mm<sup>2</sup> total area  
 2 = 432mm<sup>2</sup> 45% total area

**Internal dimensions**  
 Compartment 1 = 32 x 39mm  
 Compartment 2 = 71 x 46mm  
 Compartment 3 = 32 x 39mm

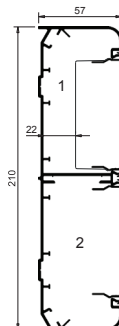


**Sterling Curve Aluminium Profile 2 – no box**  
 1 = 993mm<sup>2</sup> total area  
 1 = 447mm<sup>2</sup> 45% space factor  
 2 = 3275mm<sup>2</sup> total area  
 2 = 1474mm<sup>2</sup> 45% space factor  
 3 = 1035mm<sup>2</sup> total area  
 3 = 466mm<sup>2</sup> 45% space factor

**With box in comp 2**  
 2 = 959mm<sup>2</sup> total area  
 2 = 432mm<sup>2</sup> 45% total area

**Internal dimensions**  
 Compartment 1 = 32 x 39mm  
 Compartment 2 = 71 x 46mm  
 Compartment 3 = 29 x 39mm

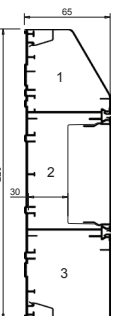
Trunking height over 200mm



**Twin Plus – no box**  
 1 & 2 = 5000mm<sup>2</sup> total area  
 1 & 2 = 2250mm<sup>2</sup> 45% space factor

**With box in comps 1 or 2**  
 1 & 2 = 2733mm<sup>2</sup> total area  
 1 & 2 = 1230mm<sup>2</sup> 45% space factor

**Internal dimensions**  
 Compartment 1 = 95 x 52mm  
 Compartment 2 = 95 x 52mm



**XL302 – no box**  
 1 = 2680mm<sup>2</sup> total area  
 1 = 1206mm<sup>2</sup> 45% space factor  
 2 = 4639mm<sup>2</sup> total area  
 2 = 2088mm<sup>2</sup> 45% space factor  
 3 = 3490mm<sup>2</sup> total area  
 3 = 1570mm<sup>2</sup> 45% space factor

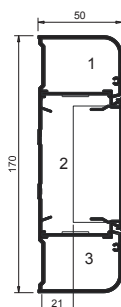
**With box in comp 2**  
 2 = 1123mm<sup>2</sup> total area  
 2 = 505mm<sup>2</sup> 45% space factor

**Internal dimensions**  
 Compartment 1 = 64 x 62mm  
 Compartment 2 = 84 x 62mm  
 Compartment 3 = 64 x 61mm

To determine cable capacity, select the size of the cable required and its corresponding cable factor from the table. Divide the compartment area figure (with or without 45% space factor) with the cable factor figure to achieve cable capacity.

Conductor type	Size	Cable factor
Stranded PVC power	1.5mm <sup>2</sup>	8.6
Stranded PVC power	2.5mm <sup>2</sup>	12.6
Stranded PVC power	4.0mm <sup>2</sup>	16.6
*Data cable	Ø5.5mm	23.8
*Data cable	Ø6.0mm	28.3
*Data cable	Ø6.5mm	33.2
*Data cable	Ø7.0mm	38.5
*Data cable	Ø8.4mm	55.4

For Data cable information, please see page 242



**Elegance 170 Aluminium – no box**  
 1 = 1764mm<sup>2</sup> total area  
 1 = 794mm<sup>2</sup> 45% space factor  
 2 = 4508mm<sup>2</sup> Total Area  
 2 = 2029mm<sup>2</sup> 45% space factor

**With box in comp 2**  
 2 = 1748mm<sup>2</sup> total area  
 2 = 787mm<sup>2</sup> 45% space factor

**Internal dimensions**  
 Compartment 1 = 36 x 49mm  
 Compartment 2 = 91 x 52mm  
 Compartment 3 = 36 x 49mm

Calculations

Please note that all the above calculations are based on a box depth of 30mm

## Bench trunking aluminium

### Material

Aluminium trunking is manufactured from high precision extruded aluminium with a powder coat finish.

White RAL 9016

Silver Grey RAL 9006

Accessory boxes are supplied in polycarbonate which is 100% recyclable.

### Positioning

Bench and desk installations: a single run can be fitted to rear of furniture or, if run down centre line, two units can be joined back to back presenting accessories on both sides.

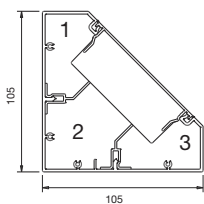
### Bend radius control

Contact our Technical Team on +44 (0)1424 856688

### Screening

Aluminium containment protects internal circuits from external electromagnetic interference. For internal segregation and screening, use a screened dividing fillet.

## Dimensions



### Bench trunking – with box

- 1 = 1345mm<sup>2</sup> total area
- 1 = 605mm<sup>2</sup> 45% space factor
- 2 = 2188mm<sup>2</sup> total area
- 2 = 984mm<sup>2</sup> 45% space factor
- 3 = 1345mm<sup>2</sup> total area
- 3 = 605mm<sup>2</sup> 45% space factor

### Bench trunking – No box

- 1 = 1842mm<sup>2</sup> total area
- 1 = 828mm<sup>2</sup> 45% space factor
- 2 = 3342mm<sup>2</sup> total area
- 2 = 1504mm<sup>2</sup> 45% space factor
- 3 = 1842mm<sup>2</sup> total area
- 3 = 828mm<sup>2</sup> 45% space factor

## Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between data cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2		Compartment 3	
	No box	With box	No box	With box	No box	With box
PVC power cable 1.5mm <sup>2</sup> stranded copper	40	35	165	116	40	79
PVC power cable 2.5mm <sup>2</sup> stranded copper	27	24	112	79	27	24
PVC power cable 4.0mm <sup>2</sup> stranded copper	21	18	85	60	21	18
Data cable: Ø5.5mm	14	12	59	41	14	12
Data cable: Ø6.0mm	12	10	50	35	12	10
Data cable: Ø6.5mm	10	9	42	30	10	9
Data cable: Ø7.0mm	9	7	36	25	9	7
Data cable: Ø8.4mm	6	5	25	18	6	5

Only for straight runs. If bends are required please contact the Technical Team on +44 (0)1424 856688.



### Elegance Aluminium

#### Material

Aluminium trunking is manufactured from high precision extruded aluminium with a powder coat finish.

White RAL 9016 (Elegance 110 only)

Silver Grey RAL 9006

Accessory boxes are supplied in polycarbonate which is 100% recyclable.

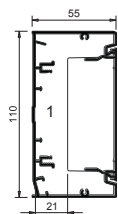
#### Positioning

Elegance can be installed at dado level or as a bench-mounted installation.

#### Screening

Aluminium containment will protect all internal circuits from external electromagnetic interference. For internal segregation metallic dividing fillets are available.

### Dimensions

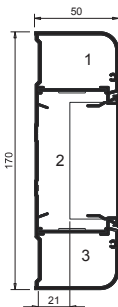


#### Elegance 110

1 = 5254mm<sup>2</sup> total area  
1 = 2364mm<sup>2</sup> 45% space factor

#### With box in comp 1

1 = 2987mm<sup>2</sup> total area  
1 = 1344mm<sup>2</sup> 45% space factor



#### Elegance 170

1 & 3 = 1764mm<sup>2</sup> total area  
1 & 3 = 794mm<sup>2</sup> 45% space factor

#### Without Accessory

2 = 4508mm<sup>2</sup> total area  
2 = 2029mm<sup>2</sup> 45% space factor

#### With Accessory

2 = 1748mm<sup>2</sup> total area  
2 = 787mm<sup>2</sup> 45% space factor

### Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between data cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart Total cables = Volume/cable factor	Elegance 110		Elegance 170			
	Compartment 1		Compartment 1	Compartment 2		Compartment 3
	No box	With box		No box	With box	
PVC power cable 1.5mm <sup>2</sup> stranded copper	274	156	92	235	91	92
PVC power cable 2.5mm <sup>2</sup> stranded copper	187	106	63	161	62	63
PVC power cable 4.0mm <sup>2</sup> stranded copper	142	80	47	122	47	47
Data cable: Ø5.5mm	99	56	33	85	33	33
Data cable: Ø6.0mm	83	47	28	71	27	28
Data cable: Ø6.5mm	72	40	23	61	23	23
Data cable: Ø7.0mm	61	34	20	52	20	20
Data cable: Ø8.4mm	42	24	14	36	14	14

## Sterling Profile aluminium

### Material

Aluminium trunking is manufactured from high precision extruded aluminium with a powder coat finish.

White RAL 9016

Silver Grey RAL 9006

Sterling Curve is available in Silver Grey only.

Accessory boxes are supplied in polycarbonate which is 100% recyclable.

### Positioning

Suitable for dado and skirting. If used for skirting applications, a clearance of 10mm is recommended above the floor covering to maintain IP4X rating.

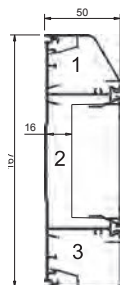
### Bend radius control

Contact our Technical Team on +44 (0)1424 856688

### Screening

Aluminium containment will protect all internal circuits from external electromagnetic interference. For internal segregation and screening, use a screened dividing fillet.

## Dimensions



### Sterling Profile 2 – no box

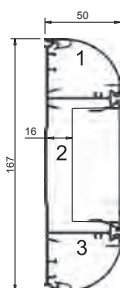
- 1 = 1060mm<sup>2</sup> total area
- 1 = 477mm<sup>2</sup> 45% space factor
- 2 = 3802mm<sup>2</sup> total area
- 2 = 1711mm<sup>2</sup> 45% space factor
- 3 = 1400mm<sup>2</sup> total area
- 3 = 630mm<sup>2</sup> 45% space factor

**Note:** The dimensions shown in this drawing can be used to work out dimensions for Sterling Profiles 1 & 3

### Sterling Profile 3002 – with box

- 2 = 1535mm<sup>2</sup> total area
- 2 = 691mm<sup>2</sup> 45% space factor

**Note:** The dimensions shown in this drawing can be used to work out dimensions for Sterling Profile 3001

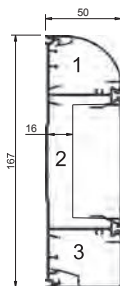


### Sterling Curve Aluminium Profile 1 – no box

- 1 & 3 = 993mm<sup>2</sup> total area
- 1 & 3 = 447mm<sup>2</sup> 45% space factor
- 2 = 3275mm<sup>2</sup> total area
- 2 = 1474mm<sup>2</sup> 45% space factor

### With box in comp 2

- 2 = 959mm<sup>2</sup> total area
- 2 = 432mm<sup>2</sup> 45% total area



### Sterling Curve Aluminium Profile 2 – no box

- 1 = 993mm<sup>2</sup> total area
- 1 = 447mm<sup>2</sup> 45% space factor
- 2 = 3275mm<sup>2</sup> total area
- 2 = 1474mm<sup>2</sup> 45% space factor
- 3 = 1035mm<sup>2</sup> total area
- 3 = 466mm<sup>2</sup> 45% space factor

### With box in comp 2

- 2 = 959mm<sup>2</sup> total area
- 2 = 432mm<sup>2</sup> 45% total area

## Sterling Profile aluminium – continued

## Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between data cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2		Compartment 3	
	No box	With box	No box	With box	No box	With box
<b>PVC power cable 1.5mm<sup>2</sup> stranded copper</b>						
Sterling Profile 1	52	–	171	50	52	–
Sterling Profile 2	52	–	171	50	54	–
Sterling Profile 3	54	–	171	50	54	–
Sterling Curve Profile 1	51	–	171	50	51	–
Sterling Curve Profile 2	51	–	171	50	54	–
<b>PVC power cable 2.5mm<sup>2</sup> stranded copper</b>						
Sterling Profile 1	35	–	116	34	35	–
Sterling Profile 2	35	–	116	34	36	–
Sterling Profile 3	36	–	116	34	36	–
Sterling Curve Profile 1	35	–	116	34	35	–
Sterling Curve Profile 2	35	–	116	34	36	–
<b>PVC power cable 4.0mm<sup>2</sup> stranded copper</b>						
Sterling Profile 1	27	–	88	26	27	–
Sterling Profile 2	27	–	88	26	28	–
Sterling Profile 3	28	–	88	26	28	–
Sterling Curve Profile 1	26	–	88	26	26	–
Sterling Curve Profile 2	26	–	88	26	28	–
<b>Data cable: Ø5.5mm</b>						
Sterling Profile 1	18	–	62	18	18	–
Sterling Profile 2	18	–	62	18	19	–
Sterling Profile 3	19	–	62	18	19	–
Sterling Curve Profile 1	18	–	62	18	18	–
Sterling Curve Profile 2	18	–	62	18	19	–
<b>Data cable: Ø6.0mm</b>						
Sterling Profile 1	15	–	52	15	15	–
Sterling Profile 2	15	–	52	15	16	–
Sterling Profile 3	16	–	52	15	16	–
Sterling Curve Profile 1	15	–	52	15	15	–
Sterling Curve Profile 2	15	–	52	15	16	–
<b>Data cable: Ø6.5mm</b>						
Sterling Profile 1	13	–	44	13	13	–
Sterling Profile 2	13	–	44	13	14	–
Sterling Profile 3	14	–	44	13	14	–
Sterling Curve Profile 1	13	–	44	13	13	–
Sterling Curve Profile 2	13	–	44	13	14	–
<b>Data cable: Ø7.0mm</b>						
Sterling Profile 1	11	–	38	11	11	–
Sterling Profile 2	11	–	38	11	12	–
Sterling Profile 3	12	–	38	11	12	–
Sterling Curve Profile 1	11	–	38	11	11	–
Sterling Curve Profile 2	11	–	38	11	12	–
<b>Data cable: Ø8.4mm</b>						
Sterling Profile 1	8	–	26	7	8	–
Sterling Profile 2	8	–	26	7	8	–
Sterling Profile 3	8	–	26	7	8	–
Sterling Curve Profile 1	8	–	26	7	8	–
Sterling Curve Profile 2	8	–	26	7	8	–

## Twin Plus aluminium

### Material

Aluminium trunking is manufactured from high precision extruded aluminium with a powder coat finish.

Silver Grey RAL 9006

Accessory boxes are supplied in polycarbonate which is 100% recyclable.

### Positioning

Suitable for skirting and architrave. If used for skirting applications, a clearance of 10mm is recommended above the floor covering to maintain IP4X rating.

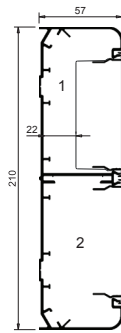
### Bend radius control

The bend radius control fittings for Twin Plus provide a bend radius of 50mm.

### Screening

Aluminium containment will protect all internal circuits from external electromagnetic interference. For internal segregation and screening, use a screened dividing fillet.

## Dimensions



### Twin Plus trunking – with accessory box

- 1 = 2733mm<sup>2</sup> total area
- 1 = 1230mm<sup>2</sup> 45% space factor
- 2 = 2833mm<sup>2</sup> total area
- 2 = 1275mm<sup>2</sup> 45% space factor

### Twin Plus trunking – no box

- 1 = 5000mm<sup>2</sup> total area
- 1 = 2250mm<sup>2</sup> 45% space factor
- 2 = 5100mm<sup>2</sup> total area
- 2 = 2295mm<sup>2</sup> 45% space factor

### Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between data cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2	
	No box	With box	No box	With box
PVC power cable 1.5mm <sup>2</sup> stranded copper	261	143	261	143
PVC power cable 2.5mm <sup>2</sup> stranded copper	178	97	178	97
PVC power cable 4.0mm <sup>2</sup> stranded copper	135	74	135	74
Data cable: Ø5.5mm	94	51	94	51
Data cable: Ø6.0mm	79	43	79	43
Data cable: Ø6.5mm	67	37	67	37
Data cable: Ø7.0mm	58	31	58	31
Data cable: Ø8.4mm	40	22	40	22

## XL trunking aluminium

### Material

Aluminium trunking is manufactured from high precision extruded aluminium with a powder coat finish.

Accessory boxes are supplied in polycarbonate which is 100% recyclable.

### Positioning

Suitable for skirting and architrave. If used for skirting applications, a clearance of 10mm is recommended above the floor covering to maintain IP4X rating.

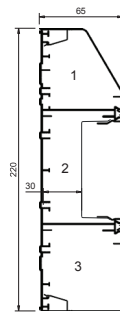
### Bend radius control

For data bend radius control fittings for XL, please contact our Technical Team on +44 (0)1424 856688.

### Screening

Aluminium containment will protect all internal circuits from external electromagnetic interference. For internal segregation and screening, use a screened dividing fillet.

## Dimensions



### XL302 – no box

- 1 = 2680mm<sup>2</sup> total area
- 1 = 1206mm<sup>2</sup> 45% space factor
- 2 = 4639mm<sup>2</sup> total area
- 2 = 2087mm<sup>2</sup> 45% space factor
- 3 = 3490mm<sup>2</sup> total area
- 3 = 1570mm<sup>2</sup> 45% space factor

### XL302 – with box

- 2 = 1123mm<sup>2</sup> total area
- 2 = 505mm<sup>2</sup> 45% space factor

**Note:** The dimensions shown in this drawing can be used to work out dimensions for XL301

## Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between data cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2		Compartment 3	
	No box	With box	No box	With box	No box	With box
<b>PVC power cable 1.5mm<sup>2</sup> stranded copper</b>						
XL301	140	–	242	58	140	–
XL302	140	–	242	58	182	–
<b>PVC power cable 2.5mm<sup>2</sup> stranded copper</b>						
XL301	95	–	165	40	95	–
XL302	95	–	165	40	124	–
<b>PVC power cable 4.0mm<sup>2</sup> stranded copper</b>						
XL301	72	–	125	30	72	–
XL302	72	–	125	30	94	–
<b>Data cable: Ø5.5mm</b>						
XL301	50	–	87	21	50	–
XL302	50	–	87	21	66	–
<b>Data cable: Ø6.0mm</b>						
XL301	42	–	73	17	42	–
XL302	42	–	73	17	55	–
<b>Data cable: Ø6.5mm</b>						
XL301	36	–	62	15	39	–
XL302	36	–	62	15	49	–
<b>Data cable: Ø7.0mm</b>						
XL301	31	–	54	13	31	–
XL302	31	–	54	13	40	–
<b>Data cable: Ø8.4mm</b>						
XL301	21	–	37	9	21	–
XL302	21	–	37	9	28	–