

PVC-U perimeter trunking capacity guide

Trunking height up to 150mm

**MONO 10 – no box**  
 1 = 4141mm<sup>2</sup> total area  
 1 = 1863mm<sup>2</sup> 45% space factor  
**With box in comp 1**  
 1 = 1874mm<sup>2</sup> total area  
 1 = 843mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 96 x 46mm

**COMPACT 1 – no box**  
 1 = 1280mm<sup>2</sup> total area  
 1 = 576mm<sup>2</sup> 45% space factor  
 2 = 3763mm<sup>2</sup> total area  
 2 = 1693mm<sup>2</sup> 45% space factor  
**With box in comp 2**  
 2 = 1497mm<sup>2</sup> total area  
 2 = 673mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 36 x 45mm  
 Compartment 2 = 87 x 46mm

**COMPACT 2 no box**  
 1 = 1534mm<sup>2</sup> total area  
 1 = 690mm<sup>2</sup> 45% space factor  
 2 = 3763mm<sup>2</sup> total area  
 2 = 1693mm<sup>2</sup> 45% space factor  
**With box in comp 2**  
 2 = 1497mm<sup>2</sup> total area  
 2 = 673mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 36 x 45mm  
 Compartment 2 = 87 x 46mm

**MONO PLUS 20 – no box**  
 1 & 3 = 1024mm<sup>2</sup> total area  
 1 & 3 = 461mm<sup>2</sup> 45% space factor  
 2 = 3451mm<sup>2</sup> total area  
 2 = 1553mm<sup>2</sup> 45% space factor  
**With box in comp 2**  
 2 = 1185mm<sup>2</sup> total area  
 2 = 533mm<sup>2</sup> 45% total area  
**Internal dimensions**  
 Compartment 1 = 27 x 45mm  
 Compartment 2 = 77 x 46mm  
 Compartment 3 = 27 x 45mm

**STERLING CURVE PROFILE 1 – no box**  
 1 & 3 = 1170mm<sup>2</sup> total area  
 1 & 3 = 527mm<sup>2</sup> 45% space factor  
 2 = 3858mm<sup>2</sup> total area  
 2 = 1736mm<sup>2</sup> 45% space factor  
**With box in comp 2**  
 2 = 1376mm<sup>2</sup> total area  
 2 = 619mm<sup>2</sup> 45% total area  
**Internal dimensions**  
 Compartment 1 = 39 x 45mm  
 Compartment 2 = 86 x 46mm  
 Compartment 3 = 39 x 45mm

**STERLING CURVE PROFILE 2 – no box**  
 1 = 1170mm<sup>2</sup> total area  
 1 = 527mm<sup>2</sup> 45% space factor  
 2 = 3858mm<sup>2</sup> total area  
 2 = 1736mm<sup>2</sup> 45% space factor  
 3 = 1542mm<sup>2</sup> total area  
 3 = 694mm<sup>2</sup> 45% space factor  
**With box in comp 2**  
 2 = 1376mm<sup>2</sup> total area  
 2 = 619mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 39 x 45mm  
 Compartment 2 = 86 x 46mm  
 Compartment 3 = 39 x 45mm

Trunking height from 150mm to 200mm

**TWIN165 – no box**  
 1 = 3272mm<sup>2</sup> total area  
 1 = 1472mm<sup>2</sup> 45% space factor  
 2 = 5404mm<sup>2</sup> total area  
 2 = 2431mm<sup>2</sup> 45% space factor  
**With box in comp 2**  
 2 = 3100mm<sup>2</sup> total area  
 2 = 1395mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 58 x 61mm  
 Compartment 2 = 94 x 61mm

**STERLING PROFILE 2 – no box**  
 1 = 1266mm<sup>2</sup> total area  
 1 = 570mm<sup>2</sup> 45% space factor  
 2 = 3858mm<sup>2</sup> total area  
 2 = 1736mm<sup>2</sup> 45% space factor  
 3 = 694mm<sup>2</sup> 45% space factor  
**With box in comp 2**  
 2 = 1376mm<sup>2</sup> total area  
 2 = 619mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 39 x 45mm  
 Compartment 2 = 86 x 46mm  
 Compartment 3 = 39 x 45mm

**ODYSSEY – no box**  
 1 & 3 = 1256mm<sup>2</sup> total area  
 1 & 3 = 565mm<sup>2</sup> 45% space factor  
 2 = 4022mm<sup>2</sup> 45% total area  
 2 = 1810mm<sup>2</sup> 45% space factor  
**With box in comp 2**  
 2 = 1230mm<sup>2</sup> total area  
 2 = 554mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 36 x 46mm  
 Compartment 2 = 81 x 48mm  
 Compartment 3 = 36 x 46mm

**COMPACT 3 – no box**  
 1 = 3763mm<sup>2</sup> total area  
 1 = 1693mm<sup>2</sup> 45% space factor  
 2 = 3700mm<sup>2</sup> total area  
 2 = 1665mm<sup>2</sup> 45% space factor  
**With box in comps 1 and 2**  
 1 = 1503mm<sup>2</sup> total area  
 1 = 676mm<sup>2</sup> 45% space factor  
 2 = 1440mm<sup>2</sup> total area  
 2 = 648mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 87 x 45mm  
 Compartment 2 = 87 x 46mm

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

For Data cable information, please see page 242

**Other Sterling Profile dimensions**  
 Other Sterling Profiles are a combination of the ones shown on this page and can be calculated using the compartment dimensions shown here.

Trunking height over 200mm

**TWIN PLUS – no box**  
 1 & 2 = 4755mm<sup>2</sup> total area  
 1 & 2 = 2140mm<sup>2</sup> 45% space factor  
**With box in comps 1 or 2**  
 1 & 2 = 2431mm<sup>2</sup> total area  
 1 & 2 = 1094mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 95 x 52mm  
 Compartment 2 = 95 x 52mm

**STERLING PROFILE 4 – no box**  
 1 = 1266mm<sup>2</sup> total area  
 1 = 570mm<sup>2</sup> 45% space factor  
 2 = 3858mm<sup>2</sup> total area  
 2 = 1736mm<sup>2</sup> 45% space factor  
 3 = 3858mm<sup>2</sup> total area  
 3 = 1736mm<sup>2</sup> 45% space factor  
**With box in comp 2 or 3**  
 2 = 1376mm<sup>2</sup> total area  
 2 = 619mm<sup>2</sup> 45% space factor  
 3 = 1234mm<sup>2</sup> total area  
 3 = 555mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 39 x 45mm  
 Compartment 2 = 86 x 46mm  
 Compartment 3 = 86 x 46mm

**XL202 – no box**  
 1 = 2824mm<sup>2</sup> total area  
 1 = 1271mm<sup>2</sup> 45% space factor  
 2 = 4771mm<sup>2</sup> total area  
 2 = 2147mm<sup>2</sup> 45% space factor  
 3 = 3531mm<sup>2</sup> total area  
 3 = 1589mm<sup>2</sup> 45% space factor  
**With box in comp 2**  
 2 = 2504mm<sup>2</sup> total area  
 2 = 1127mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 64 x 62mm  
 Compartment 2 = 84 x 62mm  
 Compartment 3 = 64 x 62mm

**XL212 – no box**  
 1 = 2824mm<sup>2</sup> total area  
 1 = 1271mm<sup>2</sup> 45% space factor  
 2 = 4771mm<sup>2</sup> total area  
 2 = 2147mm<sup>2</sup> 45% space factor  
 3 = 4732mm<sup>2</sup> total area  
 3 = 2130mm<sup>2</sup> 45% space factor  
 4 = 3531mm<sup>2</sup> total area  
 4 = 1589mm<sup>2</sup> 45% space factor  
**With box in comps 2 or 3**  
 2 = 2511mm<sup>2</sup> total area  
 2 = 1130mm<sup>2</sup> 45% space factor  
 3 = 2466mm<sup>2</sup> total area  
 3 = 1109mm<sup>2</sup> 45% space factor  
**Internal dimensions**  
 Compartment 1 = 61 x 61mm  
 Compartment 2 = 87 x 61mm  
 Compartment 3 = 87 x 61mm  
 Compartment 4 = 61 x 61mm

### Mono 10 and Mono Plus 20 trunking – PVC-U

#### Material

PVC-U is flame retardant and self-extinguishing. It is a 100% recyclable material.

Our PVC-U products are manufactured from an average of 80% recycled plastic, with some extruded products produced from 100% recycled material. The index at the back of the catalogue details the recycled content by individual product.

#### Positioning

- **Mono 10**  
For dado application only.
- **Mono Plus 20**  
If used for skirting applications, a clearance of 10mm is recommended above the floor covering to maintain IP4X rating.

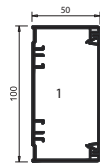
#### Screening

Please contact our Technical Team on +44 (0)1424 856688.

#### Antimicrobial

For technical details of antimicrobial Mono Plus 20 Bio trunking, please refer to Laboratory and Healthcare section on page 293.

#### Dimensions



**Mono 10 trunking – no box**

Compartment 1 total area = 4141mm<sup>2</sup>

#### Internal dimensions

Compartment 1 = 96 x 46mm

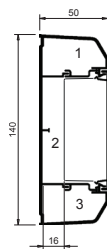


**Mono 10 trunking – with box**

Compartment 1 total area = 1874mm<sup>2</sup>

#### Internal dimensions

Compartment 1 = 96 x 46mm



**Mono Plus 20 trunking – with box**

Compartment 1 total area = 1024mm<sup>2</sup>

Compartment 2 total area = 1185mm<sup>2</sup>

Compartment 3 total area = 1024mm<sup>2</sup>

#### Internal dimensions

Compartment 1 = 27 x 45mm

Compartment 2 = 77 x 46mm

Compartment 3 = 27 x 45mm

#### 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>						
Mono 10	216	98	–	–	–	–
Mono Plus 20	53	–	180	62	53	–
<b>PVC power cable 2.5mm<sup>2</sup> stranded copper</b>						
Mono 10	147	66	–	–	–	–
Mono Plus 20	36	–	123	42	36	–
<b>PVC power cable 4.0mm<sup>2</sup> stranded copper</b>						
Mono 10	112	50	–	–	–	–
Mono Plus 20	27	–	93	32	27	–
<b>Data cable: Ø5.5mm</b>						
Mono 10	78	35	–	–	–	–
Mono Plus 20	19	–	65	22	19	–
<b>Data cable: Ø6.0mm</b>						
Mono 10	65	29	–	–	–	–
Mono Plus 20	16	–	54	18	16	–
<b>Data cable: Ø6.5mm</b>						
Mono 10	56	25	–	–	–	–
Mono Plus 20	13	–	46	16	13	–
<b>Data cable: Ø7.0mm</b>						
Mono 10	48	21	–	–	–	–
Mono Plus 20	11	–	40	13	11	–
<b>Data cable: Ø8.4mm</b>						
Mono 10	33	15	–	–	–	–
Mono Plus 20	8	–	28	9	8	–



## Compact trunking

### Material

PVC-U is flame retardant and self-extinguishing. Our PVC-U products are manufactured from an average of 80% recycled plastic, with some extruded products produced from 100% recycled material. The index at the back of the catalogue details the recycled content by individual product.

### Positioning

Compact 1, 2 and 3 are suitable for dado and skirting. If used for skirting applications, a clearance of 10mm is recommended above the floor covering to maintain IP4X rating.

If Compact 2 is installed close to desk/bench top – invert so small compartment is on bottom.

### Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

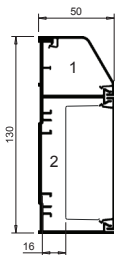
- **For data/voice circuits only:**

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits as per the current version of BS 7671 wiring regulations. V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

### Antimicrobial

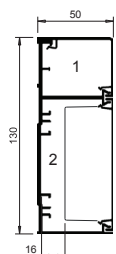
For technical details of antimicrobial Bio Compact trunking, please refer to Laboratory and Healthcare section on page 293.

### Dimensions



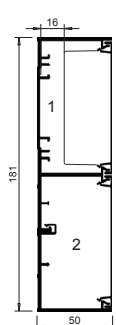
#### Compact 1 trunking – with box

Compartment 1 total area = 1280mm<sup>2</sup>  
Compartment 2 total area = 1497mm<sup>2</sup>



#### Compact 2 trunking – no box

Compartment 1 total area = 1534mm<sup>2</sup>  
Compartment 2 total area = 3763mm<sup>2</sup>



#### Compact 3 trunking – no box

Compartment 1 total area = 3763mm<sup>2</sup>  
Compartment 2 total area = 3700mm<sup>2</sup>

## 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

Compact 1	66	–	196	78
Compact 2	80	–	196	78
Compact 3	196	78	193	75

#### PVC power cable 2.5mm<sup>2</sup> stranded copper

Compact 1	45	–	134	53
Compact 2	53	–	134	53
Compact 3	134	53	132	75

#### PVC power cable 4.0mm<sup>2</sup> stranded copper

Compact 1	34	–	102	40
Compact 2	41	–	102	40
Compact 3	101	40	100	39

#### Data cable: Ø5.5mm

Compact 1	24	–	71	28
Compact 2	29	–	71	28
Compact 3	71	28	69	27

#### Data cable: Ø6.0mm

Compact 1	20	–	59	20
Compact 2	24	–	59	20
Compact 3	59	22	58	22

#### Data cable: Ø6.5mm

Compact 1	17	–	50	20
Compact 2	20	–	50	20
Compact 3	50	17	50	20

#### Data cable: Ø7.0mm

Compact 1	14	–	43	–
Compact 2	17	–	43	–
Compact 3	43	17	43	16

#### Data cable: Ø8.4mm

Compact 1	10	–	30	12
Compact 2	12	–	30	12
Compact 3	30	12	30	11



## Twin165 trunking

### Material

PVC-U is flame retardant and self-extinguishing. It is a 100% recyclable material.

Our PVC-U products are manufactured from an average of 80% recycled plastic, with some extruded products produced from 100% recycled material. The index at the back of the catalogue details the recycled content by individual product.

### Positioning

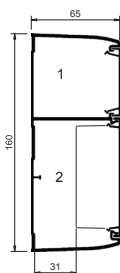
If used for skirting applications, a clearance of 10mm is recommended above the floor covering to maintain IP4X rating.

### Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

- **For data/voice circuits only:**  
Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits as per the current version of BS 7671 wiring regulations. 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.
- Part M box assemblies with contrasting coloured faceplates are available to meet the requirements of DDA regulations for Visual Impairment.

## Dimensions



### Twin165 trunking – no accessory box

Compartment 1 = 3272mm<sup>2</sup> total area  
 Compartment 1 = 1472mm<sup>2</sup> 45% space factor  
 Compartment 2 = 5404mm<sup>2</sup> total area  
 Compartment 2 = 2431mm<sup>2</sup> 45% space factor

### Twin165 trunking – with accessory box

Compartment 1 = 3272mm<sup>2</sup> total area  
 Compartment 1 = 1472mm<sup>2</sup> 45% space factor  
 Compartment 2 = 3100mm<sup>2</sup> total area  
 Compartment 2 = 1395mm<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	171	–	282	162
PVC power cable 2.5mm <sup>2</sup> stranded copper	116	–	193	110
PVC power cable 4.0mm <sup>2</sup> stranded copper	88	–	146	84
Data cable: Ø5.5mm	61	–	102	58
Data cable: Ø6.0mm	52	–	86	49
Data cable: Ø6.5mm	44	–	73	42
Data cable: Ø7.0mm	38	–	63	36
Data cable: Ø8.4mm	26	–	43	25

## Sterling Profile trunking

### Material

PVC-U is flame retardant and self-extinguishing. It is a 100% recyclable material.

Our PVC-U products are manufactured from an average of 80% recycled plastic, with some extruded products produced from 100% recycled material. The index at the back of the catalogue details the recycled content by individual product.

### Positioning

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

### Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

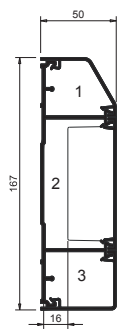
- **For data/voice circuits only:**

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits as per the current version of BS 7671 wiring regulations. 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

### Antimicrobial

For technical details of antimicrobial Sterling Profile Bio trunking, please refer to Laboratory and Healthcare section on page 293.

### Dimensions



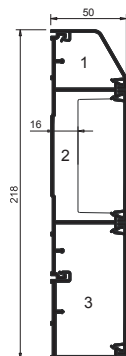
#### Sterling Profile 2 no box

- 1 = 1266mm<sup>2</sup> total area
- 1 = 570mm<sup>2</sup> 45% space factor
- 2 = 3858mm<sup>2</sup> total area
- 2 = 1736mm<sup>2</sup> 45% space factor
- 3 = 1542mm<sup>2</sup> total area
- 3 = 694mm<sup>2</sup> 45% space factor

#### With box in comp 2

- 2 = 1376mm<sup>2</sup> total area
- 2 = 619mm<sup>2</sup> 45% space factor

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

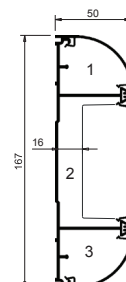


#### Sterling Profile 4 no box

- 1 = 1266mm<sup>2</sup> total area
- 1 = 570mm<sup>2</sup> 45% space factor
- 2 = 3858mm<sup>2</sup> total area
- 2 = 1736mm<sup>2</sup> 45% space factor
- 3 = 3716mm<sup>2</sup> total area
- 3 = 1672mm<sup>2</sup> 45% space factor

#### With box in comp 2 or 3

- 2 = 1376mm<sup>2</sup> total area
- 2 = 619mm<sup>2</sup> 45% space factor
- 3 = 1234mm<sup>2</sup> total area
- 3 = 555mm<sup>2</sup> 45% space factor

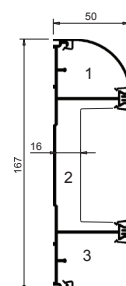


#### Sterling Curve Profile 1 – no box

- 1 & 3 = 1170mm<sup>2</sup> total area
- 1 & 3 = 527mm<sup>2</sup> 45% space factor
- 2 = 3858mm<sup>2</sup> total area
- 2 = 1736mm<sup>2</sup> 45% space factor

#### With box in comp 2

- 2 = 1376mm<sup>2</sup> total area
- 2 = 619mm<sup>2</sup> 45% total area



#### Sterling Curve Profile 2 – no box

- 1 = 1170mm<sup>2</sup> total area
- 1 = 527mm<sup>2</sup> 45% space factor
- 2 = 3858mm<sup>2</sup> total area
- 2 = 1736mm<sup>2</sup> 45% space factor
- 3 = 1542mm<sup>2</sup> total area
- 3 = 694mm<sup>2</sup> 45% space factor

#### With box in comp 2

- 2 = 1376mm<sup>2</sup> total area
- 2 = 619mm<sup>2</sup> 45% space factor

## Sterling Profile

### Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between 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	66	-	201	71	66	-
Sterling Profile 2	66	-	201	71	80	-
Sterling Profile 3	80	-	201	71	80	-
Sterling Profile 4	66	-	201	71	194	69
Sterling Curve Profile 1	61	-	201	71	61	-
Sterling Curve Profile 2	61	-	201	71	80	-
<b>PVC power cable 2.5mm<sup>2</sup> stranded copper</b>						
Sterling Profile 1	45	-	137	49	45	-
Sterling Profile 2	45	-	137	49	55	-
Sterling Profile 3	55	-	137	49	55	-
Sterling Profile 4	45	-	137	49	132	47
Sterling Curve Profile 1	41	-	137	49	41	-
Sterling Curve Profile 2	41	-	137	49	55	-
<b>PVC power cable 4.0mm<sup>2</sup> stranded copper</b>						
Sterling Profile 1	34	-	104	37	34	-
Sterling Profile 2	34	-	104	37	41	-
Sterling Profile 3	41	-	104	37	41	-
Sterling Profile 4	34	-	104	37	100	33
Sterling Curve Profile 1	31	-	104	37	31	-
Sterling Curve Profile 2	31	-	104	37	41	-
<b>Data cable: Ø5.5mm<sup>2</sup></b>						
Sterling Profile 1	23	-	73	26	23	-
Sterling Profile 2	23	-	73	26	29	-
Sterling Profile 3	29	-	73	26	29	-
Sterling Profile 4	23	-	73	26	70	23
Sterling Curve Profile 1	22	-	73	26	23	-
Sterling Curve Profile 2	22	-	73	26	29	-
<b>Data cable: Ø6.0mm<sup>2</sup></b>						
Sterling Profile 1	20	-	61	21	20	-
Sterling Profile 2	20	-	61	21	24	-
Sterling Profile 3	24	-	61	21	24	-
Sterling Profile 4	20	-	61	21	59	20
Sterling Curve Profile 1	18	-	61	21	18	-
Sterling Curve Profile 2	18	-	61	21	24	-
<b>Data cable: Ø6.5mm<sup>2</sup></b>						
Sterling Profile 1	17	-	52	18	17	-
Sterling Profile 2	17	-	52	18	20	-
Sterling Profile 3	20	-	52	18	20	-
Sterling Profile 4	17	-	52	18	50	17
Sterling Curve Profile 1	15	-	52	18	15	-
Sterling Curve Profile 2	15	-	52	18	20	-
<b>Data cable: Ø7.0mm<sup>2</sup></b>						
Sterling Profile 1	14	-	45	16	14	-
Sterling Profile 2	14	-	45	16	18	-
Sterling Profile 3	18	-	45	16	18	-
Sterling Profile 4	14	-	45	16	43	14
Sterling Curve Profile 1	13	-	45	16	13	-
Sterling Curve Profile 2	13	-	45	16	18	-
<b>Data cable: Ø8.4mm<sup>2</sup></b>						
Sterling Profile 1	10	-	31	11	10	-
Sterling Profile 2	10	-	31	11	12	-
Sterling Profile 3	12	-	31	11	12	-
Sterling Profile 4	10	-	31	11	30	10
Sterling Curve Profile 1	9	-	31	11	9	-
Sterling Curve Profile 2	9	-	31	11	12	-

## Odyssey trunking

### Material

Odyssey accessory boxes and fittings are flame retardant ABS which is 100% recyclable.

Our PVC-U products are manufactured from an average of 80% recycled plastic, with some extruded products produced from 100% recycled material. The index at the back of the catalogue details the recycled content by individual product.

### Positioning

For dado, horizontal or vertical installation.

### Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

Please contact our Technical Team on +44 (0)1424 856688.

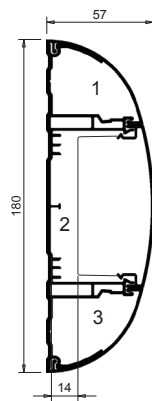
- **For data/voice circuits only:**

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits as per the current version of BS 7671 wiring regulations. 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

### Antimicrobial

For technical details of antimicrobial Odyssey Bio trunking, please refer to Laboratory and Healthcare section on page 293.

## Dimensions



### Odyssey trunking – with box

Compartment 1 & 3 total area = 1278mm<sup>2</sup>

Compartment 2 total area = 859mm<sup>2</sup>

### Odyssey trunking – no box

Compartment 2 total area = 3972mm<sup>2</sup>

### 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	65	–	210	64	65	–
PVC power cable 2.5mm <sup>2</sup> stranded copper	44	–	143	43	44	–
PVC power cable 4.0mm <sup>2</sup> stranded copper	34	–	109	33	34	–
Data cable: Ø5.5mm	23	–	76	23	23	–
Data cable: Ø6.0mm	19	–	63	19	19	–
Data cable: Ø6.5mm	17	–	54	16	17	–
Data cable: Ø7.0mm	14	–	47	14	14	–
Data cable: Ø8.4mm	10	–	32	10	10	–

## Twin Plus trunking

### Material

PVC-U is flame retardant and self-extinguishing. It is a 100% recyclable material.

Our PVC-U products are manufactured from an average of 80% recycled plastic, with some extruded products produced from 100% recycled material. The index at the back of the catalogue details the recycled content by individual product.

### Positioning

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

### Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

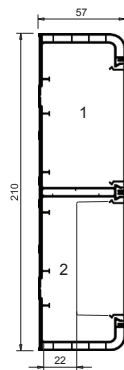
- **For data/voice circuits only:**

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits as per the current version of BS 7671 wiring regulations. 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

### Antimicrobial

For technical details of antimicrobial Twin Plus Bio trunking, please refer to Laboratory and Healthcare section on page 293.

## Dimensions



### Twin Plus trunking – with accessory box

- 1 = 2431mm<sup>2</sup> total area
- 1 = 1094mm<sup>2</sup> 45% space factor
- 2 = 2431mm<sup>2</sup> total area
- 2 = 1094mm<sup>2</sup> 45% space factor

### Twin Plus trunking – no accessory box

- 1 = 4755mm<sup>2</sup> total area
- 1 = 2139mm<sup>2</sup> 45% space factor
- 2 = 4755mm<sup>2</sup> total area
- 2 = 2139mm<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	248	127	248	127
PVC power cable 2.5mm <sup>2</sup> stranded copper	169	86	169	86
PVC power cable 4.0mm <sup>2</sup> stranded copper	128	65	128	65
Data cable: Ø5.5mm	89	46	89	46
Data cable: Ø6.0mm	75	38	75	38
Data cable: Ø6.5mm	64	32	64	32
Data cable: Ø7.0mm	55	28	55	28
Data cable: Ø8.4mm	38	19	38	19



## XL trunking

### Material

PVC-U is flame retardant and self-extinguishing. It is a 100% recyclable material.

Our PVC-U products are manufactured from an average of 80% recycled plastic, with some extruded products produced from 100% recycled material. The index at the back of the catalogue details the recycled content by individual product.

### Positioning

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

### Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

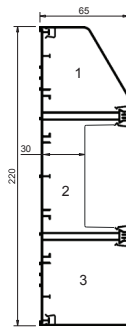
- **For data/voice circuits only:**

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits As per the current version of BS 7671 wiring regulations. 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

### Antimicrobial

For technical details of antimicrobial XL Bio trunking, please refer to Laboratory and Healthcare section on page 293.

### Dimensions



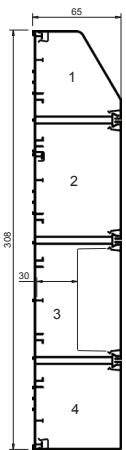
#### XL202 Trunking – with box

- 1 = 2824mm<sup>2</sup> total area
- 1 = 1270mm<sup>2</sup> 45% space factor
- 2 = 2504mm<sup>2</sup> total area
- 2 = 1126mm<sup>2</sup> 45% space factor
- 3 = 3531mm<sup>2</sup> total area
- 3 = 1589mm<sup>2</sup> 45% space factor

#### XL202 Trunking – no box

- 2 = 4771mm<sup>2</sup> total area
- 2 = 2147mm<sup>2</sup> 45% space factor

**Note:** The dimensions shown in this drawing can be used to work out dimensions for XL201.



#### XL212 Trunking – no box

- 1 = 2824mm<sup>2</sup> total area
- 1 = 1270mm<sup>2</sup> 45% space factor
- 2 = 4771mm<sup>2</sup> total area
- 2 = 2147mm<sup>2</sup> 45% space factor
- 3 = 4732mm<sup>2</sup> total area
- 3 = 2129mm<sup>2</sup> 45% space factor
- 4 = 3531mm<sup>2</sup> total area
- 4 = 1589mm<sup>2</sup> 45% space factor

#### XL212 Trunking – with box in comp 2 or 3

- 2 = 2511mm<sup>2</sup> total area
- 2 = 1130mm<sup>2</sup> 45% space factor
- 3 = 2466mm<sup>2</sup> total area
- 3 = 1109mm<sup>2</sup> 45% space factor

**Note:** The dimensions shown in this drawing can be used to work out dimensions for XL211.

XL trunking – 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		Compartment 4	
	No box	With box	No box	With box	No box	With box	No box	
<b>PVC power cable 1.5mm<sup>2</sup> stranded copper</b>								
XL201	147	–	249	131	147	–	–	
XL202	147	–	249	131	184	–	–	
XL211	147	–	249	131	247	124	147	
XL212	147	–	249	131	247	124	184	
<b>PVC power cable 2.5mm<sup>2</sup> stranded copper</b>								
XL201	100	–	170	89	100	–	–	
XL202	100	–	170	89	126	–	–	
XL211	100	–	170	89	168	88	100	
XL212	100	–	170	89	168	88	126	
<b>PVC power cable 4.0mm<sup>2</sup> stranded copper</b>								
XL201	76	–	129	67	76	–	–	
XL202	76	–	129	67	95	–	–	
XL211	76	–	129	65	128	66	76	
XL212	76	–	129	65	128	66	95	
<b>Data cable: Ø5.5mm UTP &amp; STP</b>								
XL201	53	–	90	47	53	–	–	
XL202	53	–	90	47	66	–	–	
XL211	53	–	90	45	89	46	53	
XL212	53	–	90	45	89	46	66	
<b>Data cable: Ø6.0mm UTP &amp; STP</b>								
XL201	44	–	75	39	44	–	–	
XL202	44	–	75	39	56	–	–	
XL211	44	–	75	38	75	37	44	
XL212	44	–	75	38	75	37	56	
<b>Data cable: Ø6.5mm UTP &amp; STP</b>								
XL201	38	–	64	33	38	–	–	
XL202	38	–	64	33	47	–	–	
XL211	38	–	64	32	64	33	38	
XL212	38	–	64	32	64	33	47	
<b>Data cable: Ø7.0mm UTP &amp; STP</b>								
XL201	33	–	55	29	33	–	–	
XL202	33	–	55	29	41	–	–	
XL211	33	–	55	28	55	28	33	
XL212	33	–	55	28	55	28	41	
<b>Data cable: Ø8.4mm UTP &amp; STP</b>								
XL201	22	–	38	20	22	–	–	
XL202	22	–	38	20	28	–	–	
XL211	22	–	38	19	38	20	22	
XL212	22	–	38	19	38	20	28	