

Straight Lengths

2 in. Straight Sections / AL, SP, SH, SS
Solid and Vented

Straight Section Number Selection

| (ALU12) 12V-3 | | | | | |
|---|-----------------------------|------------------|---|---|------------------|
| Material Prefix | Series Prefix | Side Rail Height | Width | Bottom Type | Length |
| AL • Aluminum SP • Pregalvanized SH • Hot-dipped galvanized SS • Stainless Steel 316 | U1 • Unit or One-Piece Tray | 2 • (2 in.) | 06 • (6 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) Welded flat rung 30 • (30 in.) 36 • (36 in.) | V • Ventilated trough S • Solid trough | 3 • (3 meters) * |

* Standard straight length is 10 feet nominal = actually 3 m (3 m = 9.842 ft.)

Technical Specifications

All calculations and data are based on 36 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

Deflection factor: For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

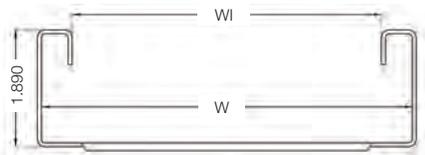
For fittings consult pages A50 to A91.

| Series | | Support Span (Feet) | | |
|------------------------------|-------------------|---------------------|-------|-------|
| | | 6 | 8 | 10 |
| ALU12 | Load (lb./ft.) | 69 | 39 | 25 |
| | Deflection (in.) | 0.382 | 0.730 | 1.000 |
| | Deflection Factor | 0.006 | 0.019 | 0.040 |
| SPU12 SHU12 | Load (lb./ft.) | 69 | 39 | 25 |
| | Deflection (in.) | 0.382 | 0.730 | 1.000 |
| | Deflection Factor | 0.006 | 0.019 | 0.040 |
| SSU12 | Load (lb./ft.) | 69 | 39 | 25 |
| | Deflection (in.) | 0.382 | 0.730 | 1.000 |
| | Deflection Factor | 0.006 | 0.019 | 0.040 |

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Dimensions

| All U12 Series (Dimensions) | |
|--------------------------------|----------|
| W (in.) | Wi (in.) |
| 6 | 5.0 |
| 9 | 8.0 |
| 12 | 11.0 |
| 18 | 17.0 |
| 24 | 23.0 |
| 30 | 29.0 |
| 36 | 35.0 |

Technical Specifications

LOAD RATINGS: 1.5 Safety factor. All tray sections will support an additional 200 lb. concentrated load on any portion of tray above and beyond published load class.

| Series | Dimensions | Classifications | |
|------------------------------|------------|-----------------|-----|
| | | NEMA | CSA |
| ALU12 | See above | - | A |
| SPU12 SHU12 | See above | - | A |
| SSU12 | See above | - | A |

Straight Lengths

3-5/8 in. Straight Sections / AL, SP, SH, SS

Solid and vented

Straight Section Number Selection

| (ALU13) 12V-3 | | | | | |
|---|-----------------------------|------------------------|---|---|------------------|
| Material Prefix | Series Prefix | Side rail height (in.) | Width | Bottom Type | Length |
| AL • Aluminum SP • Pregalvanized SH • Hot-dipped galvanized SS • Stainless Steel 316 | U1 • Unit or One-Piece Tray | 3 • (3-5/8 in.) | 06 • (6 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) 30 • (30 in.) 36 • (36 in.) | V • Ventilated trough S • Solid trough | 3 • (3 meters) * |

* Standard straight length is 10 feet nominal = actually 3 m.
1 m = 3.2808 ft. 3 m = 9.842 ft.

Technical Specifications

All calculations and data are based on 36 in. wide cable trays with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

Deflection factor: For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

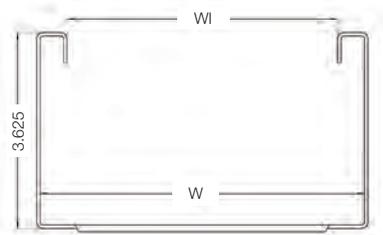
For fittings consult pages A50 to A91.

| Series | | Support Span (Feet) | | |
|------------------------------|-------------------|---------------------|-------|-------|
| | | 6 | 8 | 10 |
| ALU13 | Load (lb./ft.) | 180 | 101 | 65 |
| | Deflection (in.) | 0.382 | 0.430 | 0.540 |
| | Deflection Factor | 0.002 | 0.004 | 0.008 |
| SPU13 SHU13 | Load (lb./ft.) | 180 | 101 | 65 |
| | Deflection (in.) | 0.125 | 0.250 | 0.320 |
| | Deflection Factor | 0.001 | 0.002 | 0.005 |
| SSU13 | Load (lb./ft.) | 180 | 101 | 65 |
| | Deflection (in.) | 0.125 | 0.250 | 0.320 |
| | Deflection Factor | 0.001 | 0.002 | 0.005 |

Straight Lengths

3-5/8 in. Straight Sections / AL, SP, SH, SS

Solid and vented



Dimensions

| All U13 series (Dimensions) | |
|--------------------------------|----------|
| W (in.) | Wi (in.) |
| 6 | 5.0 |
| 9 | 8.0 |
| 12 | 11.0 |
| 18 | 17.0 |
| 24 | 23.0 |
| 30 | 29.0 |
| 36 | 35.0 |



Technical Specifications

LOAD RATINGS: 1.5 Safety factor. All tray sections will support an additional 200 lb. concentrated load on any portion of tray above and beyond published load class.

| Series | Dimensions | Classifications | |
|------------------------------|------------|-----------------|-----|
| | | NEMA | CSA |
| ALU13 | See above | 8C | C |
| SPU13 SHU13 | See above | 8C | C |
| SSU13 | See above | 8C | C |

Straight Lengths

6 in. Straight Sections / AL, SP, SH, SS

Solid and vented

Straight Section Number Selection

(ALU16) 12V-3

| Material | Series | Side rail height (in.) | Width | Bottom Type | Length |
|---|-----------------------------|------------------------|---|---|------------------|
| AL • Aluminum SP • Pregalvanized SH • Hot-dipped galvanized SS • Stainless steel 316 | U1 • Unit or one-piece tray | 6 • (6 in.) | 06 • (6 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) 30 • (30 in.) 36 • (36 in.) | V • Ventilated trough S • Solid trough | 3 • (3 meters) * |

* Standard straight length is 10 feet nominal = actually 3 m.
1 m = 3.2808 ft. 3 m = 9.842 ft.

Technical Specifications

All calculations and data are based on 36 in. wide cable trays with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

Deflection factor: For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

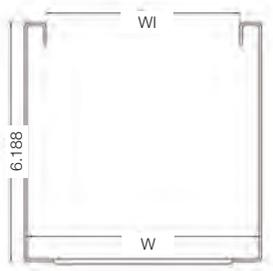
For fittings consult pages A50 to A91.

| Series | | Support Span (Feet) | | |
|------------------------------|-------------------|---------------------|-------|-------|
| | | 6 | 8 | 10 |
| ALU16 | Load (lb./ft.) | 180 | 101 | 65 |
| | Deflection (in.) | 0.082 | 0.128 | 0.160 |
| | Deflection Factor | 0.000 | 0.001 | 0.008 |
| SPU16 SHU16 | Load (lb./ft.) | 180 | 101 | 65 |
| | Deflection (in.) | 0.125 | 0.250 | 0.320 |
| | Deflection Factor | 0.001 | 0.002 | 0.005 |
| SSU16 | Load (lb./ft.) | 180 | 101 | 65 |
| | Deflection (in.) | 0.125 | 0.250 | 0.320 |
| | Deflection Factor | 0.001 | 0.002 | 0.005 |

Straight Lengths

6 in. Straight Sections / AL, SP, SH, SS

Solid and vented



Dimensions

| All U16 Series (Dimensions) | |
|--------------------------------|----------|
| W (in.) | Wi (in.) |
| 6 | 5.0 |
| 9 | 8.0 |
| 12 | 11.0 |
| 18 | 17.0 |
| 24 | 23.0 |
| 30 | 29.0 |
| 36 | 35.0 |



Technical Specifications

LOAD RATINGS: 1.5 Safety factor. All tray sections will support an additional 200 lb. concentrated load on any portion of tray above and beyond published load class.

| Series | Dimensions | Classifications | |
|------------------------------|------------|-----------------|-----|
| | | NEMA | CSA |
| ALU16 | See Above | 8C | C |
| SPU16 SHU16 | See Above | 8C | C |
| SSU16 | See Above | 8C | C |