

Aluminium Cable Ladder (ACL)

Wherever severe corrosion conditions are present, or a long maintenance free life is required, Unistrut aluminium cable ladder systems are the obvious choice.

Unistrut manufactures a complete range of NEMA Aluminium cable ladder systems. These provide a wide range of load and span combinations to suit the requirements of almost any installation.

Most frequently, aluminium cable ladders are selected because of their excellent performance in marine environments where salt spray or salt laden atmosphere is present. Applications such as wharves, coal loader conveyors or similar port facilities as well as coal mines, smelters, chemical processing plants and refineries are all typical users of aluminium cable ladders.

Splice Plates

The unique Unistrut aluminium system splice plate is close fitting and shaped so that it is retained neatly and firmly between mating flanges incorporated in the ladder side-rails. Initial deflection or "take-up" of the joint under load is thereby minimised, resulting in a tidy and rigid installation, free from excessive sag at splice points.

The splice design also permits up to 20mm of expansion and contraction movement at each joint – an important consideration with aluminium cable ladders – eliminates the need to place special expansion splices at predetermined intervals. The installation procedure for the splice connection is fast and simple.

Notes

- To attain maximum working load of the system, the following recommendations should be adopted:
- Do not splice single spans of ladder.
- Avoid splice joints in the vicinity of the end supports on continuous runs.
- Avoid splice joints directly over intermediate supports on continuous runs.
- Locate splice joints at the quarter span point between supports on continuous runs.

If in doubt, please consult your Unistrut Service Centre.

Accessories

All aluminium cable ladder systems are complemented by a full range of standardised fabricated accessories & fittings which are readily available.

Built-in Splice

The principal feature of all Unistrut cable ladder accessories is the 'built-in' plate. A shaped extension of the accessory side-rail permits direct connection to the straight ladder, eliminating the need for a separate splice component. The advantages of this method are:

- Minimised fixing hardware and components.
- When joining to a cut ladder, the accessory end acts as a convenient drill template for bolt holes.
- Simplified pre-planning, quantity take-offs and ordering.
- No left-over components.
- Strong and rigid joint.
- Faster installation.

Accessories are attached with the same fasteners as used for straight splice plates.

Elongated slots allow easier fit-up and permit adjustments in alignment to be absorbed.

Hold-Down Brackets

The general purpose hold-down bracket can be positioned at any point along ladder length, even in the situation where a rung and support member coincide. The bracket provides a large bearing area for the side-rail and permits free expansion movement to occur.

For side mounted ladders, or where rigid fixing of ladder is required, the rigid clamping bracket can be used.

Construction

Unistrut aluminium cable ladder systems are manufactured from high strength alloy 6106-T6 for all extruded components and 5005 for sheet or plate components. These alloys are suitable for marine applications and offer excellent all round corrosion resistance. All fasteners are made from 300 series grade of stainless steel for optimum corrosion resistance.

Each rung on 12A, 20A and 20C is attached to the side-rails with four stainless steel screws. In both assembly methods rung ends are held captive between flanges extruded into the side-rail, resulting in a strong and reliable connection.

C.K.D. Feature

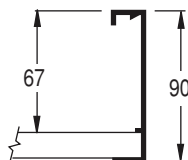
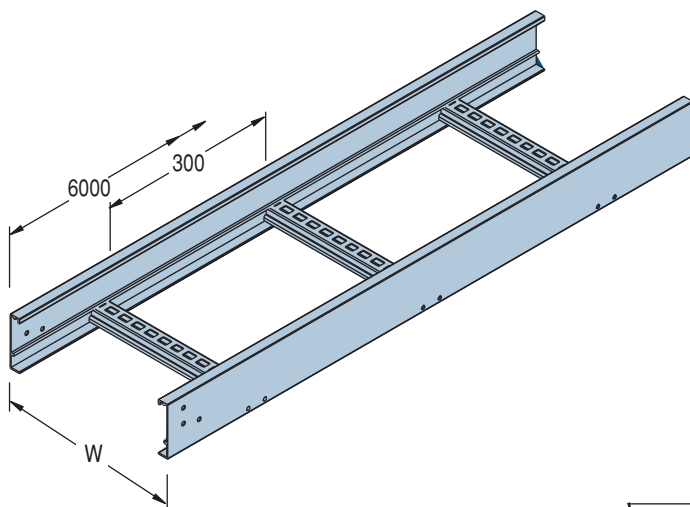
Aluminium cable ladders with screwed rungs are also available in C.K.D. (completely knocked down) which provides a particular advantage when on-site assembly is necessary and in freight savings for remote areas.

NEMA 12A ALUMINUM CABLE LADDER

NEMA 12A Straight Tray [AL]

Cable Support Systems

NEMA Cable Ladder



Cable Laying Depth: 67mm

Loading Data:

Basic Load Capacity
98kg/lin.m on 3.6m span

Length: 6m

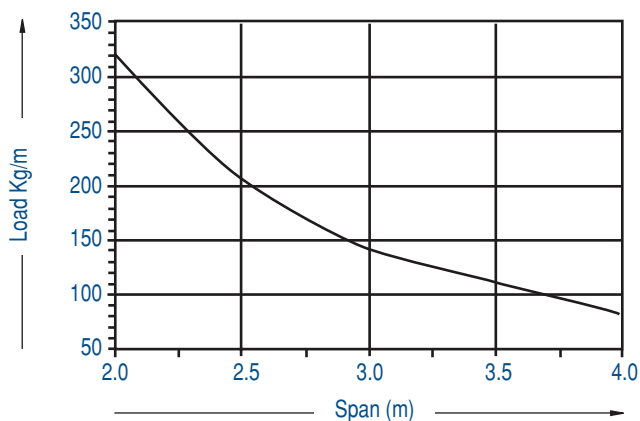
Rung Spacing: 300mm nominal

Standard Finish: Aluminium, Mill Finish

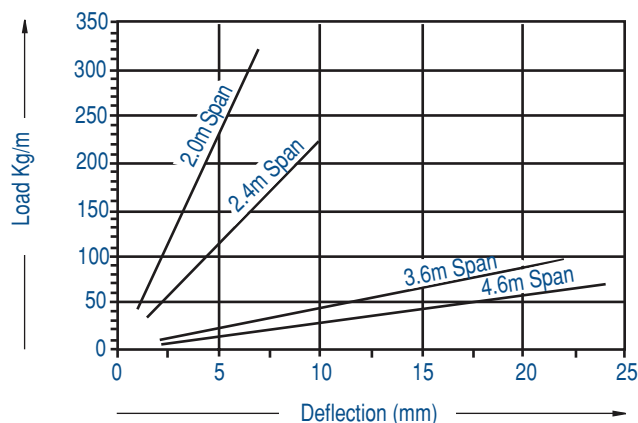
| Dim "W" | Type | Part No. |
|---------|------|----------|
| 150 | 12A | LAD101 |
| 300 | 12A | LAD103 |
| 450 | 12A | LAD104 |
| 600 | 12A | LAD106 |

• Splice plate & fixing screws are not included (order separately).

Allowable Load Graph



Deflection Graph



Allowable loads are determined generally in accordance with NEMA Standard VE1 and verified by testing.
Safety Factor = 1.5 on collapse load for single span.

Deflections shown apply to the end-bays (ie. worst case) of a continuous ladder run.
To find deflection of a single span, multiply by 2.5.

NEMA 20A Straight Tray [AL]

Cable Laying Depth: 96mm

Loading Data:

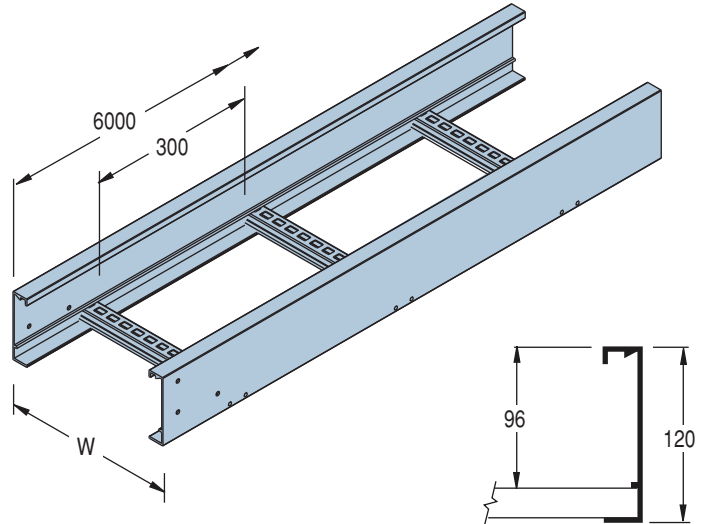
Basic Load Capacity
95kg/lin.m on 6m span
352kg/lin.m on 3m span

Length: 6m

Rung Spacing: 300mm nominal

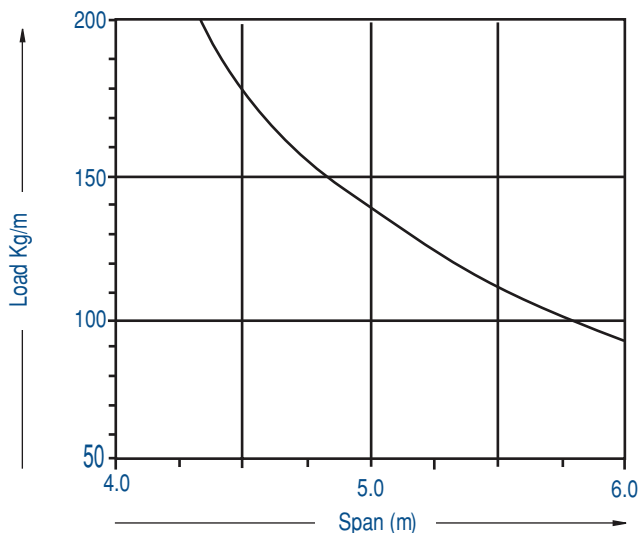
Standard Finish: Aluminium, Mill Finish

| Dim "W" | Type | Part No. |
|---------|------|----------|
| 150 | 20A | LAJ101 |
| 300 | 20A | LAJ103 |
| 450 | 20A | LAJ104 |
| 600 | 20A | LAJ106 |

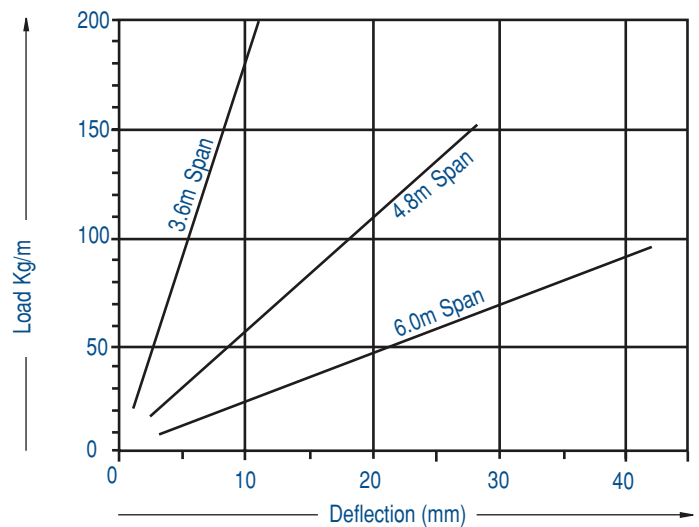


• Splice plate & fixing screws are not included (order separately).

Allowable Load Graph



Deflection Graph



Allowable loads are determined generally in accordance with NEMA Standard VE1 and verified by testing.
Safety Factor = 1.5 on collapse load for single span.

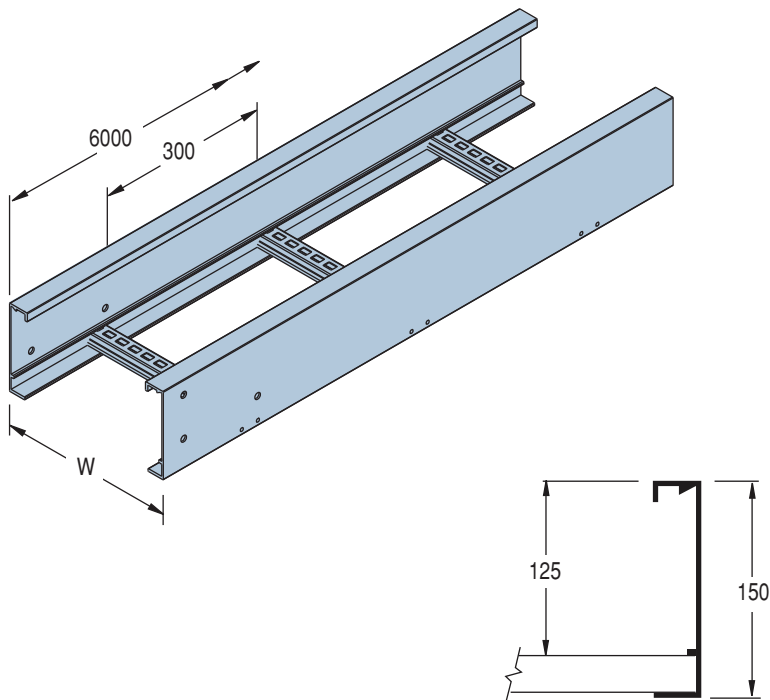
Deflections shown apply to the end-bays (ie. worst case) of a continuous ladder run.
To find deflection of a single span, multiply by 2.5.

NEMA 20C ALUMINUM CABLE LADDER

NEMA 20C Straight Tray [AL]

Cable Support Systems

NEMA Cable Ladder



Cable Laying Depth: 125mm

Loading Data:

Basic Load Capacity
175kg/lin.m on 6m span

Length: 6m

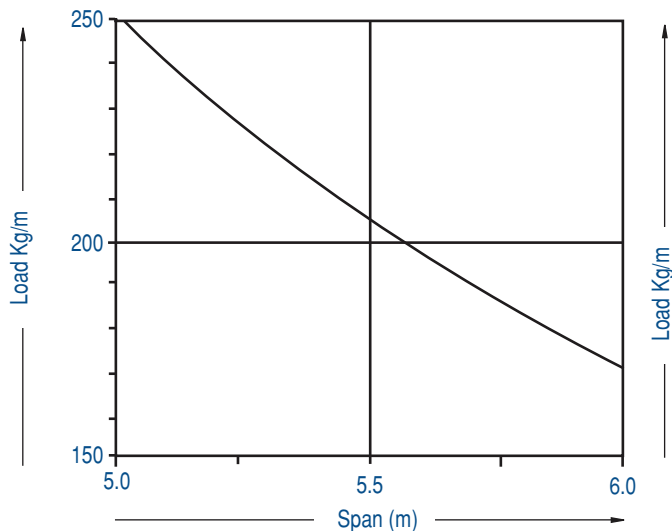
Rung Spacing: 300mm nominal

Standard Finish: Aluminium, Mill Finish

| Dim "W" | Type | Part No. |
|---------|------|----------|
| 150 | 20C | LAL101 |
| 300 | 20C | LAL103 |
| 450 | 20C | LAL104 |
| 600 | 20C | LAL106 |

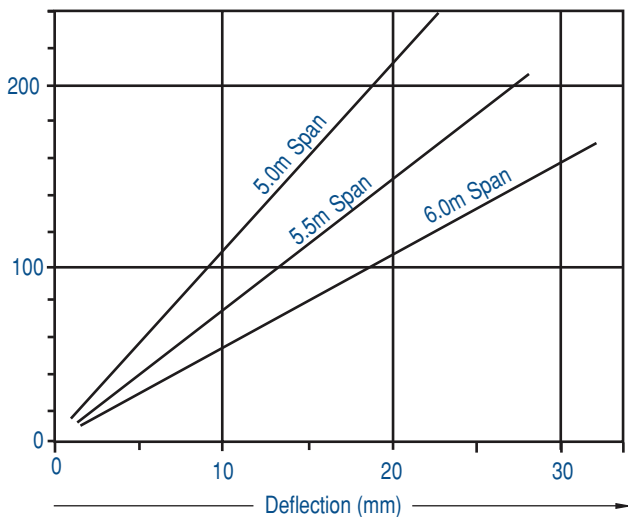
• Splice plate & fixing screws are not included (order separately).

Allowable Load Graph



Allowable loads are determined generally in accordance with NEMA Standard VE1 and verified by testing.
Safety Factor = 1.5 on collapse load for single span.

Deflection Graph

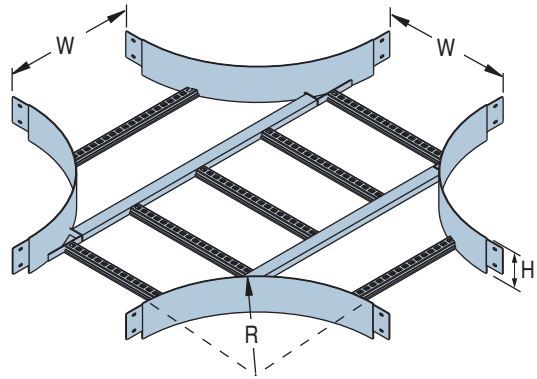


Deflections shown apply to the end-bays (ie. worst case) of a continuous ladder run.
To find deflection of a single span, multiply by 2.5.

NEMA ALUMINUM CABLE LADDER – CROSSES. BENDS, TEES

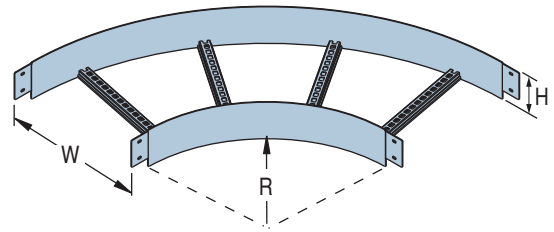
Cross [AL]

| Type | Radius "R" | Width "W" | Height "H" | Part No. |
|------|------------|-----------|------------|----------|
| 12A | 300 | 150 | 93 | LAD181 |
| 12A | 300 | 300 | 93 | LAD183 |
| 12A | 300 | 450 | 93 | LAD184 |
| 12A | 300 | 600 | 93 | LAD186 |
| 20A | 450 | 150 | 120 | LAH181 |
| 20A | 450 | 300 | 120 | LAH183 |
| 20A | 450 | 450 | 120 | LAH184 |
| 20A | 450 | 600 | 120 | LAH186 |
| 20C | 600 | 150 | 150 | LAL181 |
| 20C | 600 | 300 | 150 | LAL183 |
| 20C | 600 | 450 | 150 | LAL184 |
| 20C | 600 | 600 | 150 | LAL186 |



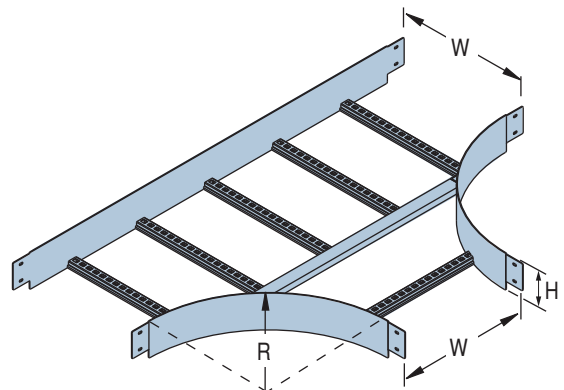
Flat Bend – 90° [AL]

| Type | Radius "R" | Width "W" | Height "H" | Part No. |
|------|------------|-----------|------------|----------|
| 12A | 300 | 150 | 93 | LAD111 |
| 12A | 300 | 300 | 93 | LAD113 |
| 12A | 300 | 450 | 93 | LAD114 |
| 12A | 300 | 600 | 93 | LAD116 |
| 20A | 450 | 150 | 120 | LAH111 |
| 20A | 450 | 300 | 120 | LAH113 |
| 20A | 450 | 450 | 120 | LAH114 |
| 20A | 450 | 600 | 120 | LAH116 |
| 20C | 600 | 150 | 150 | LAL111 |
| 20C | 600 | 300 | 150 | LAL113 |
| 20C | 600 | 450 | 150 | LAL114 |
| 20C | 600 | 600 | 150 | LAL116 |



Tee [AL]

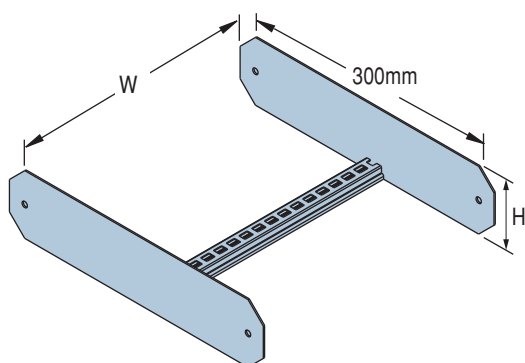
| Type | Radius "R" | Width "W" | Height "H" | Part No. |
|------|------------|-----------|------------|----------|
| 12A | 300 | 150 | 93 | LAD191 |
| 12A | 300 | 300 | 93 | LAD193 |
| 12A | 300 | 450 | 93 | LAD194 |
| 12A | 300 | 600 | 93 | LAD196 |
| 20A | 450 | 150 | 120 | LAH191 |
| 20A | 450 | 300 | 120 | LAH193 |
| 20A | 450 | 450 | 120 | LAH194 |
| 20A | 450 | 600 | 120 | LAH196 |
| 20C | 600 | 150 | 150 | LAL191 |
| 20C | 600 | 300 | 150 | LAL193 |
| 20C | 600 | 450 | 150 | LAL194 |
| 20C | 600 | 600 | 150 | LAL196 |



• Fixing Hardware for all cable ladder systems must be ordered separately.

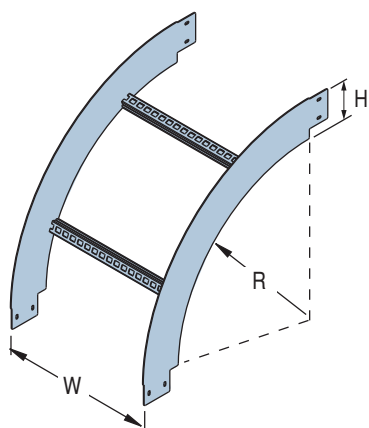
NEMA ALUMINUM CABLE LADDER – RISERS

Adjustable Riser [AL]



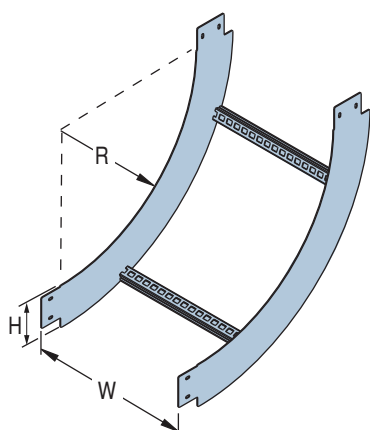
| Type | Width "W" | Height "H" | Part No.* |
|------|-----------|------------|-----------|
| 12A | 150 | 93 | LAD141 |
| 12A | 300 | 93 | LAD143 |
| 12A | 450 | 93 | LAD144 |
| 12A | 600 | 93 | LAD146 |
| 20A | 150 | 120 | LAH141 |
| 20A | 300 | 120 | LAH143 |
| 20A | 450 | 120 | LAH144 |
| 20A | 600 | 120 | LAH146 |
| 20C | 150 | 150 | LAL141 |
| 20C | 300 | 150 | LAL143 |
| 20C | 450 | 150 | LAL144 |
| 20C | 600 | 150 | LAL146 |

External Riser – 90° [AL]



| Type | Radius "R" | Width "W" | Height "H" | Part No.* |
|------|------------|-----------|------------|-----------|
| 12A | 300 | 150 | 93 | LAD131 |
| 12A | 300 | 300 | 93 | LAD133 |
| 12A | 300 | 450 | 93 | LAD134 |
| 12A | 300 | 600 | 93 | LAD136 |
| 20A | 450 | 150 | 120 | LAH131 |
| 20A | 450 | 300 | 120 | LAH133 |
| 20A | 450 | 450 | 120 | LAH134 |
| 20A | 450 | 600 | 120 | LAH136 |
| 20C | 600 | 150 | 150 | LAL131 |
| 20C | 600 | 300 | 150 | LAL133 |
| 20C | 600 | 450 | 150 | LAL134 |
| 20C | 600 | 600 | 150 | LAL136 |

Internal Riser – 90° [AL]

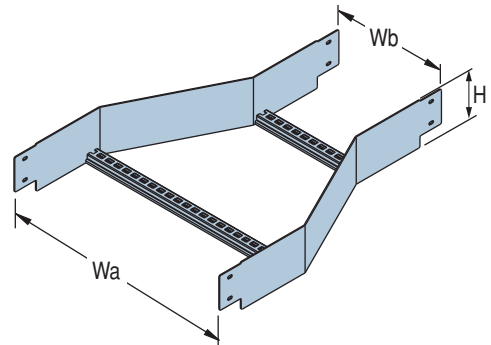


| Type | Radius "R" | Width "W" | Height "H" | Part No.* |
|------|------------|-----------|------------|-----------|
| 12A | 300 | 150 | 93 | LAD121 |
| 12A | 300 | 300 | 93 | LAD123 |
| 12A | 300 | 450 | 93 | LAD124 |
| 12A | 300 | 600 | 93 | LAD126 |
| 20A | 450 | 150 | 120 | LAH121 |
| 20A | 450 | 300 | 120 | LAH123 |
| 20A | 450 | 450 | 120 | LAH124 |
| 20A | 450 | 600 | 120 | LAH126 |
| 20C | 600 | 150 | 150 | LAL121 |
| 20C | 600 | 300 | 150 | LAL123 |
| 20C | 600 | 450 | 150 | LAL124 |
| 20C | 600 | 600 | 150 | LAL126 |

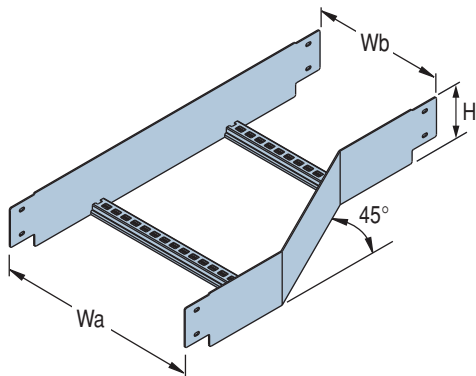
• Fixing Hardware for all cable ladder systems must be ordered separately.

Straight Reducer [AL]

| Type | Width "Wa" | Width "Wb" | Height "H" | Part No. |
|------|------------|------------|------------|----------|
| 12A | 600 | 450 | 93 | LAD1564 |
| 12A | 600 | 300 | 93 | LAD1563 |
| 12A | 600 | 150 | 93 | LAD1561 |
| 12A | 450 | 300 | 93 | LAD1543 |
| 12A | 450 | 150 | 93 | LAD1541 |
| 12A | 300 | 150 | 93 | LAD1531 |
| 20A | 600 | 450 | 120 | LAH1564 |
| 20A | 600 | 300 | 120 | LAH1563 |
| 20A | 600 | 150 | 120 | LAH1561 |
| 20A | 450 | 300 | 120 | LAH1543 |
| 20A | 450 | 150 | 120 | LAH1541 |
| 20A | 300 | 150 | 120 | LAH1531 |
| 20C | 600 | 450 | 150 | LAL1564 |
| 20C | 600 | 300 | 150 | LAL1563 |
| 20C | 600 | 150 | 150 | LAL1561 |
| 20C | 450 | 300 | 150 | LAL1543 |
| 20C | 450 | 150 | 150 | LAL1541 |
| 20C | 300 | 150 | 150 | LAL1531 |

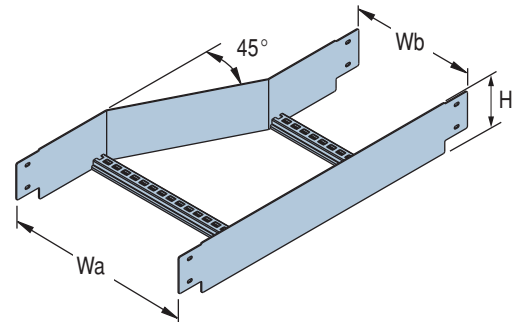


Offset Reducer – Left Hand [AL]



| Type | Width "Wa" | Width "Wb" | Height "H" | Part No. |
|------|------------|------------|------------|----------|
| 12A | 600 | 450 | 93 | LAD1764 |
| 12A | 600 | 300 | 93 | LAD1763 |
| 12A | 600 | 150 | 93 | LAD1761 |
| 12A | 450 | 300 | 93 | LAD1743 |
| 12A | 450 | 150 | 93 | LAD1741 |
| 12A | 300 | 150 | 93 | LAD1731 |
| 20A | 600 | 450 | 120 | LAH1764 |
| 20A | 600 | 300 | 120 | LAH1763 |
| 20A | 600 | 150 | 120 | LAH1761 |
| 20A | 450 | 300 | 120 | LAH1743 |
| 20A | 450 | 150 | 120 | LAH1741 |
| 20A | 300 | 150 | 120 | LAH1731 |
| 20C | 600 | 450 | 150 | LAL1764 |
| 20C | 600 | 300 | 150 | LAL1763 |
| 20C | 600 | 150 | 150 | LAL1761 |
| 20C | 450 | 300 | 150 | LAL1743 |
| 20C | 450 | 150 | 150 | LAL1741 |
| 20C | 300 | 150 | 150 | LAL1731 |

Offset Reducer – Right Hand [AL]



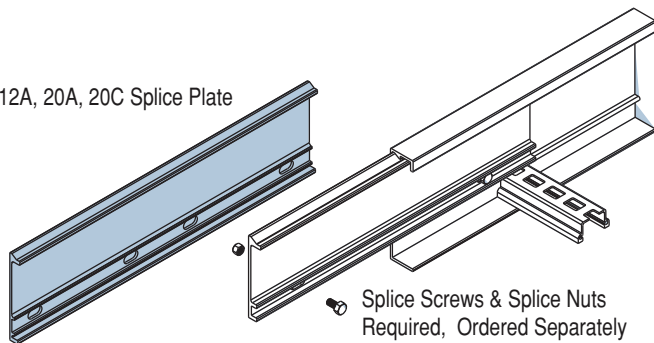
| Type | Width "Wa" | Width "Wb" | Height "H" | Part No. |
|------|------------|------------|------------|----------|
| 12A | 600 | 450 | 93 | LAD1664 |
| 12A | 600 | 300 | 93 | LAD1663 |
| 12A | 600 | 150 | 93 | LAD1661 |
| 12A | 450 | 300 | 93 | LAD1643 |
| 12A | 450 | 150 | 93 | LAD1641 |
| 12A | 300 | 150 | 93 | LAD1631 |
| 20A | 600 | 450 | 120 | LAH1664 |
| 20A | 600 | 300 | 120 | LAH1663 |
| 20A | 600 | 150 | 120 | LAH1661 |
| 20A | 450 | 300 | 120 | LAH1643 |
| 20A | 450 | 150 | 120 | LAH1641 |
| 20A | 300 | 150 | 120 | LAH1631 |
| 20C | 600 | 450 | 150 | LAL1664 |
| 20C | 600 | 300 | 150 | LAL1663 |
| 20C | 600 | 150 | 150 | LAL1661 |
| 20C | 450 | 300 | 150 | LAL1643 |
| 20C | 450 | 150 | 150 | LAL1641 |
| 20C | 300 | 150 | 150 | LAL1631 |

• Fixing Hardware for all cable ladder systems must be ordered separately.

NEMA ALUMINUM CABLE LADDER – ACCESSORIES

Splice Plate

12A, 20A, 20C Splice Plate

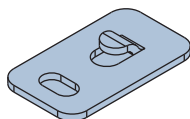
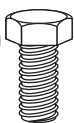


| Type | Part No. | Pairs of Splice Nuts and Splice Screws Required |
|------|----------|---|
| 12A | LAD30 | 2 Pairs of LAD42/LAD41 |
| 20A | LAH30 | 2 Pairs of LAD42/LAD41 |
| 20C | LAL30 | 4 Pairs of LAL42/LAL41 |

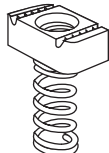
The unique Unistrut aluminium splice plate is close fitting and shaped so that it is retained neatly and firmly between mating flanges incorporated in the ladder-side rails.

General Hold Down Bracket

HHS1225SS Hold Down Bracket Screw



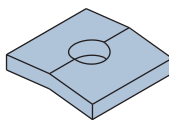
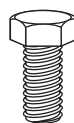
P1013SS Hold Down Bracket Nut
Ordered Separately



| Type | Part No. |
|----------|----------|
| 12A, 20A | LAD50 |
| 20C | LAL50 |

Rigid Hold Down Bracket

HHS1230SS Hold Down Bracket Screw



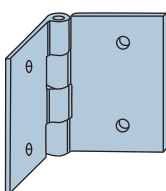
P1013SS Hold Down Bracket Nut
Ordered Separately



| Type | Part No. |
|-----------------------|----------|
| All Aluminium Systems | LAM50AL |

General purpose hold-down bracket can be positioned at any point along ladder length, even in the situation where a rung and support member coincide. The bracket provides a large bearing area for the side-rail and permits free expansion movement to occur. For side mounted ladders, or where rigid fixing of ladder is required, the rigid clamping bracket can be used.

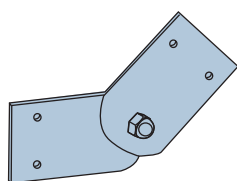
Hinged Horizontal Splice



| Type | Part No. |
|------|----------|
| 12A | LAD35 |
| 20A | LAH35 |
| 20C | LAL35 |

A fast and economical method of changing ladder direction where exact site dimensions must be met. Especially suitable where the angle is less than 45°, or larger angles where the cable bending radius is not important. Also provides a flexible alternative to standard accessory sizes and radii. Suits all Unistrut aluminium cable ladder systems.

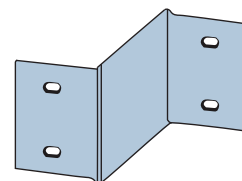
Hinged Vertical Splice



| Type | Part No. |
|------|----------|
| 12A | LAD36 |
| 20A | LAH36 |
| 20C | LAL36 |

Ideal for making changes in vertical level or direction. Easily adapts to exact site dimensions which may otherwise be difficult to achieve with fixed risers. Cables form their own bending radius spanning between adjacent end-rungs. Also used to form adjustable risers providing flexibility to adjust to any site restrictions.

Reducer Splice

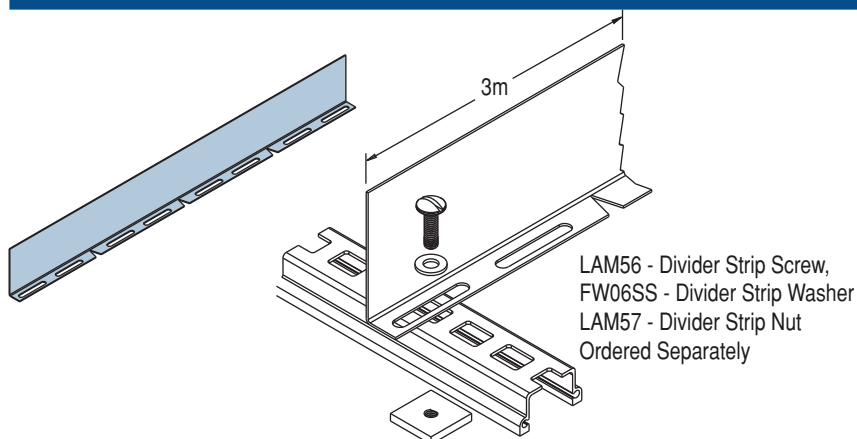


| Type | Width (mm) | Part No. |
|------|------------|----------|
| 12A | 75W | LAD380 |
| 12A | 150W | LAD381 |
| 12A | 300W | LAD383 |
| 20A | 75W | LAH380 |
| 20A | 150W | LAH381 |
| 20A | 300W | LAH383 |
| 20C | 75W | LAL380 |
| 20C | 150W | LAL381 |
| 20C | 300W | LAL383 |

Reduction of ladder width is normally carried out using straight or offset reducers. Reducer splice plates are a flexible, cost effective alternative which bolt directly to the ladder side-rails. Available for all aluminium cable ladder systems.

• Fixing Hardware for all cable ladder systems must be ordered separately.

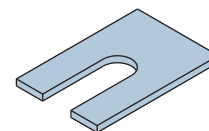
Divider Strip



| Type | Part No. |
|-----------------------|----------|
| All Aluminium Systems | LAM55 |

Divider Strip is used to separate cables of different voltages or circuits. The notched base permits forming to the required shape.

Interface Spacer



| Type | Part No. |
|-----------|----------|
| PVC White | LAM54 |
| PVC Black | LAM54UV |

Used to separate cable ladder and supports in corrosive environments.

Ladder Covers

Covers are normally specified where protection is required:

1. To safeguard against damage to cables and insulation from falling objects - dropped tools, discarded cigarettes, sparks or solid materials.
2. Covers protect cable insulation and fixings (plastic ties etc.) from harmful effects of ultra-violet light and/or weathering deterioration.
3. In areas where high levels of airborne particles are present, covers prevent accumulation of dust or other debris on cables which may cause heat build up, fire hazards or absorb moisture, which may shorten the life of the installation.

Availability

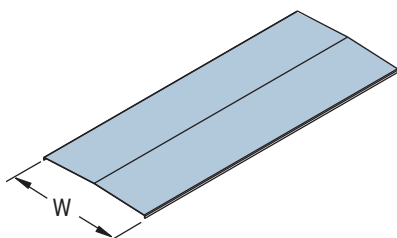
Standard flat covers are available for all Unistrut cable ladder systems. Standard length is 3 metres. Straight, peaked or ventilated covers are available to special order.

Material

Steel Systems: Galvabond, hot-dip galvanised steel sheet to AS1397.

Aluminium Systems: Aluminium Alloy 5005. Suitable for marine applications and compatible with the 6106-T6 alloy used in ladders.

Standard Cover



Alum. Covers - Standard

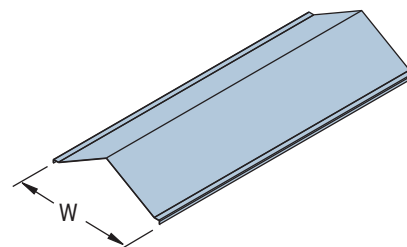
| Type | Nominal Width | Width "W" | Part No. |
|-------------|---------------|-----------|----------|
| 12A/20A/20C | 150 | 154 | LAM6013 |
| 12A/20A/20C | 300 | 304 | LAM6033 |
| 12A/20A/20C | 450 | 454 | LAM6043 |
| 12A/20A/20C | 600 | 604 | LAM6063 |

The most common type used because they afford maximum protection to cables at the lowest cost.

Steel Covers - Standard

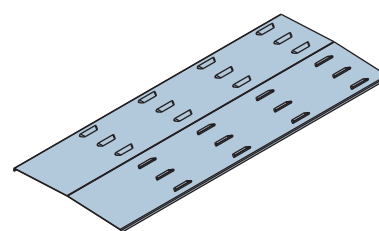
| Type | Nominal Width | Width "W" | Part No. |
|---------------|---------------|-----------|----------|
| 12B | 150 | 176 | LEE6013 |
| 12B | 300 | 326 | LEE6033 |
| 12B | 450 | 476 | LEE6043 |
| 12B | 600 | 626 | LEE6063 |
| 16A | 150 | 201 | LEG6013 |
| 16A | 300 | 351 | LEG6033 |
| 16A | 450 | 501 | LEG6043 |
| 16A | 600 | 651 | LEG6063 |
| 20B/20C | 150 | 215 | LEK6013 |
| 20B/20C | 300 | 365 | LEK6033 |
| 20B/20C | 450 | 515 | LEK6043 |
| 20B/20C | 600 | 665 | LEK6063 |
| 20B-RI/20C-RI | 150 | 154 | LEM6013 |
| 20B-RI/20C-RI | 300 | 304 | LEM6033 |
| 20B-RI/20C-RI | 450 | 454 | LEM6043 |
| 20B-RI/20C-RI | 600 | 604 | LEM6063 |

Peaked Cover



Used in very dusty situations where the self-cleaning effect of sloping sides prevents excessive dust accumulations. The larger air-space above the cables also assists with the dissipation of heat.

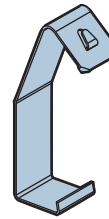
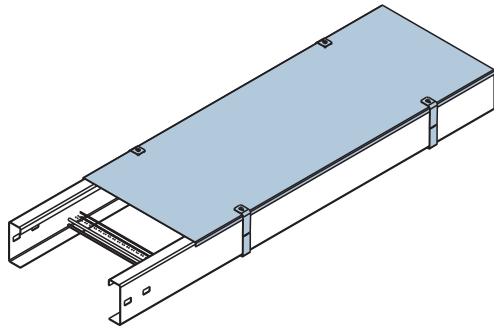
Ventilated Cover



Should be used wherever reasonable protection for cables is required and where there is also a primary requirement to allow for the escape of heat generated by cables.

NEMA STEEL & ALUMINUM CABLE LADDER COVERS

Cable Ladder Cover Fixings



Covers are retained in position by means of cover clips as illustrated. Manufactured from high strength stainless steel, these unique clips, which have no thread components to freeze up, are very quickly installed and are also easily removed or replaced at a later date.

One size of clip for each ladder system suits both straight and accessory covers.

Recommended Spacing For Cover Clips

| Service conditions | Design Wind velocity, Vz (AS1170) | Ladder Width, mm | | | |
|--|-----------------------------------|------------------|------|------|------|
| | | 600 | 450 | 300 | 150 |
| Up to and including exposed external locations | 50m/s | 1.2m | 1.2m | 1.2m | 1.2m |
| Cyclonic Areas | 65m/s | 0.6m | 0.8m | 1.2m | 1.2m |

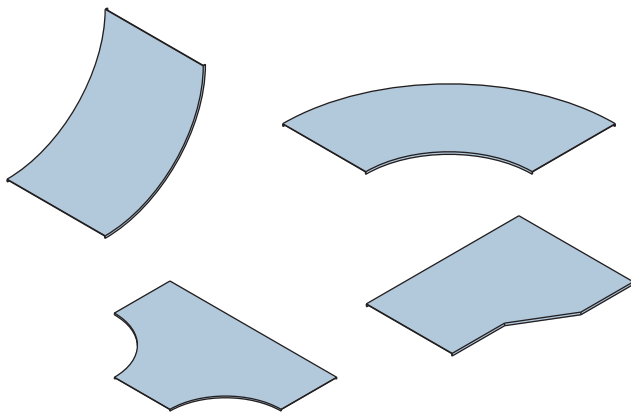
SS Clips For Steel Covers

| Type | Part No. |
|------|----------|
| 12B | LEE90 |
| 16A | LEG90 |
| 20B | LEK90 |
| 20C | LEL90 |

SS Clips For Aluminum Covers

| Type | Part No. |
|------|----------|
| 12A | LAD90 |
| 16A | LAH90 |
| 20C | LAL90 |

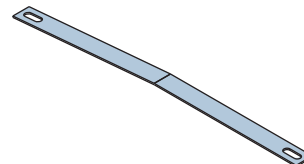
Accessory Covers



Flat Covers are available to match shaped accessories of all Unistrut Cable Ladder Systems, in both steel and aluminium. Materials are the same as for straight covers.

Note: Flat covers are available to match accessories of all Unistrut NEMA Cable Ladders in both steel and aluminium material and are the same as for the straight covers.

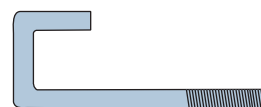
Cover Straps [HG]



| Type | Ladder Width | Part No. |
|------|--------------|----------|
| 16A | 150 | LEG931 |
| 16A | 300 | LEG933 |
| 16A | 450 | LEG934 |
| 16A | 600 | LEG936 |
| 20B | 150 | LEK931 |
| 20B | 300 | LEK933 |
| 20B | 450 | LEK934 |
| 20B | 600 | LEK936 |

Hook Bolt & Wing Nut [MG]

Note: Two pair of hook bolts and wing nuts are used to attached the Cover Straps. Hook bolt and wing nut sold separately.



| Part No. | Description |
|-----------|--------------|
| LEK8873MG | Hook Bolt |
| WN10MG | Wing Nut M10 |

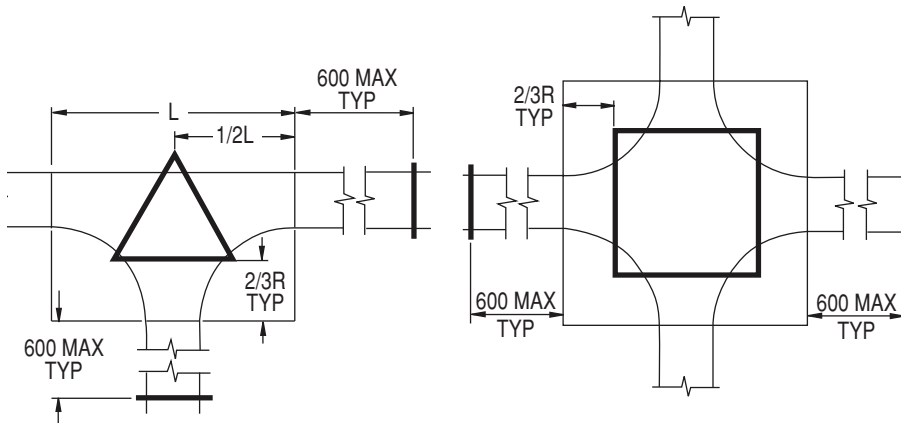
Accessories for all Unistrut cable ladder systems are available in the four standard widths - 150, 300, 450 or 600mm.

| System | Std. Radius |
|--------------------------|-------------|
| 12B SCL and 12A ACL | 300mm |
| 16A SCL and 20A ACL | 450mm |
| 20B, 20C SCL and 20C ACL | 600mm |

Fixed bends and Internal or External Risers are readily available with a 90° angle. Other angles (30°, 45° or 60°) and other radii (300, 450, 600 or 900mm) can be supplied on special request. The radii also applies to Tees and Crosses.

All support locations below are in accordance with NEMA standard VE 1.

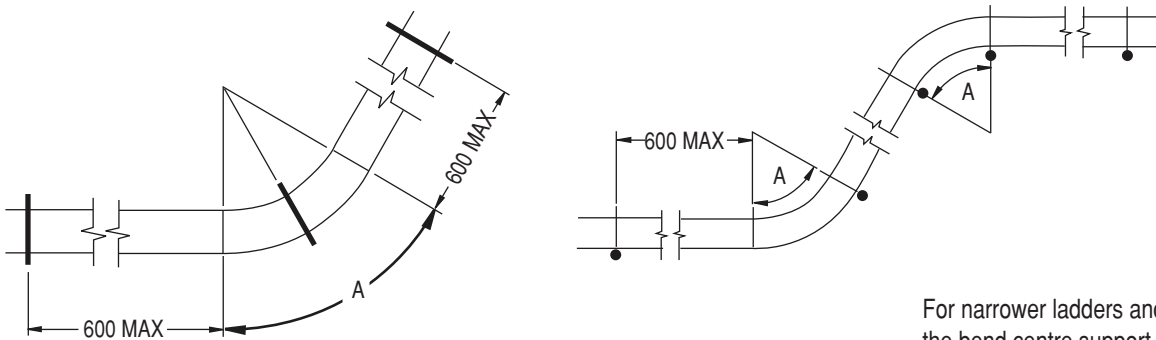
Tees & Crosses



For smaller radius accessories and / or lightly loaded ladders, the support methods shown may be reduced or even eliminated.

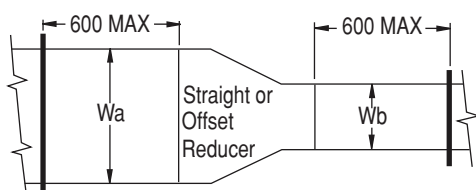
This is best determined at the point of installation or consult your local Unistrut Service Centre.

Risers & Bends



For narrower ladders and smaller angles, the bend centre support may be deleted.

Straight or Offset Reducers



Straight Reducer plus left and right hand offset reducers are available for all Unistrut Cable Ladder systems.

Major Width: Wa 300, 450, 600, 450, 600, 600

Minor Width: Wb 150, 150, 150, 300, 300, 450

Reducer splice plates are also available for all ladder systems.