

Materials & Finishes

Cable Ladder Materials & Finishes

Hot-Dip Galvanised [HG]

Cable Trays, brackets, cantilever arms and fittings can be Hot-Dip Galvanised in accordance with BS EN ISO1461:2009 and chromated.

The minimum average Zinc Coating is as follows:

- Cold Rolled From 1.5mm Steel – 55 microns
- 2.5mm Steel – 55 microns
- Fittings spun galvanised – 45 microns
- Mild Steel – BS EN 10149-3 grade S280 – min.yield 280 n/mm² – UTS 370 n/mm²

Deep Hot-Dip Galvanised

- BS EN 10025 S275JO+AR+CL1 or equivalent/better. 2mm min. thick material.

Stainless Steel [SS]

- Stainless Steel 1.4404 (316L)
- Hot Rolled to B.S.EN10088-2-1.4404+1D.
- Cleaned (Pickled & Passivated)

Applying a pickling process to Stainless Steel results in a clean product and it also removes any heat discolouration that has occurred in the welding process.

SPECIAL COATINGS AND MATERIAL GRADES ARE AVAILABLE ON REQUEST

Pickle & Passivate is available upon request

Certification and Quality Standards

BS EN 61537:2007

ISO 9001 – Quality system certification

ISO 14001 – Environment certification

ISO 45001 – Health and safety certification

Useful Cross Section

Type U10

Width mm	Useful cross section (cm ²)
100	75
150	113
200	150
300	225
400	300
450	338
500	375
600	450
750	563
800	600
900	650
1000	750

Type U12

Width mm	Useful cross section (cm ²)
100	100
150	150
200	200
300	300
400	400
450	450
500	500
600	600
750	750
800	800
900	900
1000	1000

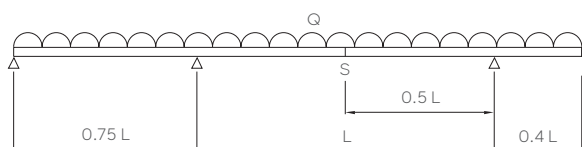
Type U15

Width mm	Useful cross section (cm ²)
100	125
150	188
200	250
300	375
400	500
450	563
500	625
600	750
750	938
800	1000
900	1125
1000	1250

Loading Data

Cable Ladder Loading Data

Stated loadings apply to mild steel products only.



Load test according to CEI/IEC 61537:2001

Q = UDL (uniformly distributed load)

Safety Factor = 1.7

L = intermediate span

F = deflection = $1/100$ of the intermediate span (max.)

S = splice location

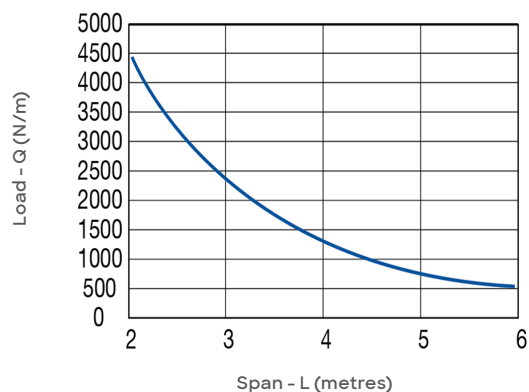
Atkore Unistrut's load testing is in accordance with CEI/IEC 61537:2001. In practical terms this covers continuous/multi span installations, evenly loaded along the length of, and across the full width of the ladder. The end spans in these installations should be reduced to 0.75 of the intermediate spans.

Deflection: Atkore Unistrut's load and deflection figures are in accordance with CEI/IEC 61537:2001, with the characteristic deflection of Unistrut Cable Ladder limited to span/100, and load figures inclusive of a safety factor of 1.7.

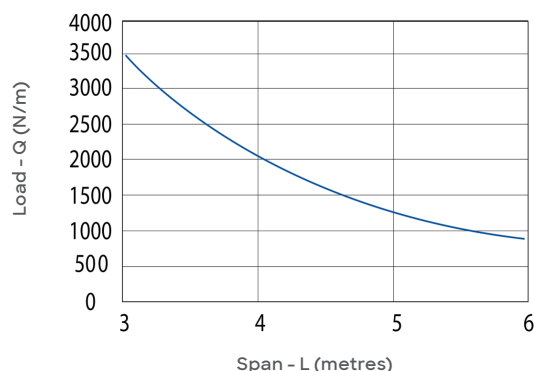
Accessories: To ensure adequate support, accessories should be supported locally.

Couplers: The loading and deflection tables for Atkore Unistrut Cable Ladder assume that the couplers are located at the most onerous position within the span (i.e. mid span). To maintain the load/deflection figures stated in the tables, the couplers should not be located in end spans or over support locations. Only one pair of couplers should be installed per span.

Atkore Unistrut Ladder - Type U10



Atkore Unistrut Ladder - Type U12



Atkore Unistrut Ladder - Type U15

