

What are Earth Straps?

Cable ladders manufactured from steel or aluminium are conductive. At important projects, where safety is paramount and large volumes of high voltage cables are installed, the contractor will need to meet appropriate grounding regulations.

Earth straps offer a solution to connect ladders together to the main earthing system of an installation, offering additional earthing conductivity across splice plates and fitting joints.

EzyStrut's Nema 2, Nema 3 and Nema 20C Cable Ladders are supplied complete with pre-punched holes, designed specifically for affixing our range of earth straps.



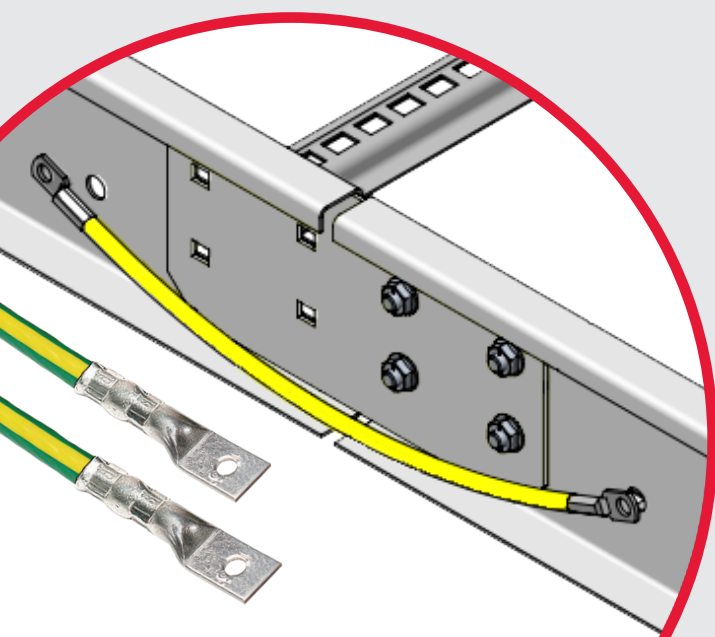
Which Earth Straps should be used?

EzyStrut offers three main types of earth strap, which differ in the size of the cable used to produce them: **35mm²**, **50mm²** and **70mm²**.

Depending on the environmental conditions in which the cable ladders are used, the electrical load they are intended to carry, the importance of the structure, and other necessary variables, the contractor will need to elect a suitable type from the sizes EzyStrut can offer.

The correct **length** of the earth strap should be recommended by the EzyStrut sales team, to suit the relevant distance between the pre-punched holes on the cable ladder. The correct earth strap lengths for each type of cable ladder are listed in the table below.

Earth straps are usually supplied with M10 lugs in various material finishes. Be sure to select a material finish compatible with the cable ladder in use. Hex nuts and hex bolts for affixing the earth straps are sold separately.



Ladder Type	Strap Type (mm ²)	Strap Length (mm)
Nema 2	35	500
	50	500
	70	500
Nema 3	35	450
	50	450
	70	450
Nema 20C	35	600
	50	600
	70	600

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