INTENDED USE

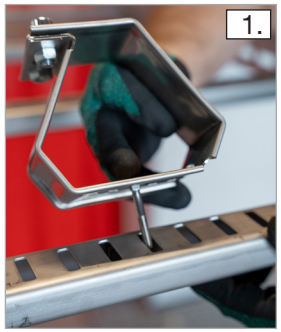
Cable retention cleat intended use to hold low or high voltage trefoil and single cables in place during operation, and during short circuit events.

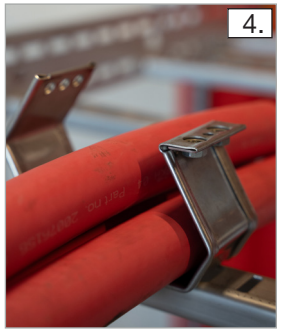
INSTRUCTION FOR USE

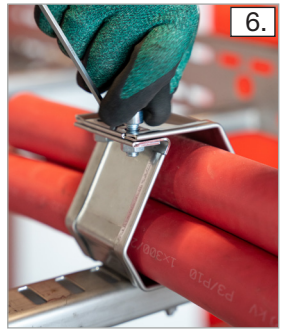
1. Attach the cleat using the supplied locking bolt and adapter to the cable ladder rung.
   Follow the Adapter Matrix Table (on the next page) and use the appropriate type and quantity of adapters.
2. Tighten the M6 nut to 8 Nm.
3. For Single cable formation only: install the supplied 6mm liner on the bottom to cover a bolt head. Not needed for trefoil formation.
4. Place the cables in the SmartCleat.
5. An Allen key 5 mm or other tool can be placed in the center hole to align the outer two bolt holes for smooth installation.
6. Place back and hand-tighten both M8 Allen bolts.
7. Tighten the M8 Allen bolts to a torque of 10-12 Nm. It is recommended to use hand tools.
8. If using powered screwdrivers, use slow speed.
9. For vertical installation/runs we recommend using 3mm EPDM liner at least on one cleat side.

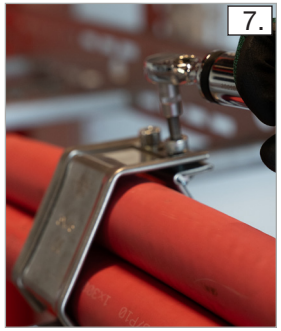
Note:
If cable clamping is required, manually verify after installation that the cable(s) are securely fastened, and no slippage is observed at the load required. If slippage occurs, an additional liner may be applied on the opposite side of the cleat, or a closer fitting sized cleat should be selected based on the measured cable diameter.

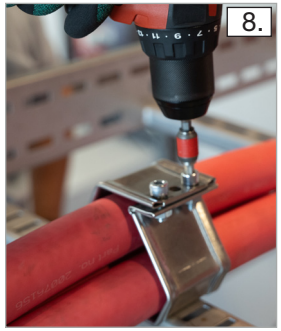
For applications requiring axial restraint (e.g., thermal expansion restriction), expert evaluation and validation are necessary. Please contact technical support for assistance.











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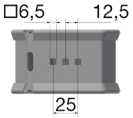
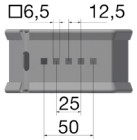
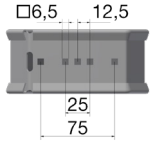
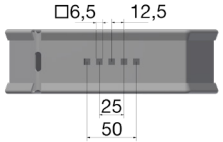
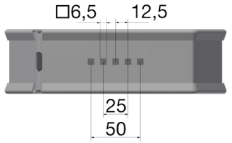
ADAPTER MATRIX TABLE

- For correct installation of the adapter into the recommended slot, the following adapter matrix table can be used.
- The Single Formation SmartCleat comes standard with a 6mm pre-cut lining pad to cover the fixing bolt head, ensuring it does not contact and damage the cable. This is not an issue for trefoil formation.
- Lining pads need to be ordered separately for vertical or other installations where extra gripping is needed.

		STANDARD FIXATION		REINFORCED FIXATION	
CABLE SIZE	HOLE PATTERN ON THE CLEAT BOTTOM	SINGLE	TREFOIL	SINGLE	TREFOIL
Single Ø32 – Ø46 Trefoil Ø22 – Ø31				“Use standard”	“Use standard”
Single Ø48 – Ø70 Trefoil Ø32 – Ø46					“Use standard”
Single Ø71 – Ø79 (A) Single Ø80 – Ø94 (B) Trefoil Ø47 – Ø61		(A) (B)			
Single Ø95 – Ø99 Trefoil Ø62 – Ø84				“Use standard”	
Trefoil Ø85 – Ø95		“Not applicable”		“Not applicable”	
Trefoil Ø96 – Ø99		“Not applicable”		“Not applicable”	“Use standard”

User Guide for Bolts:
Recommended Torque

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