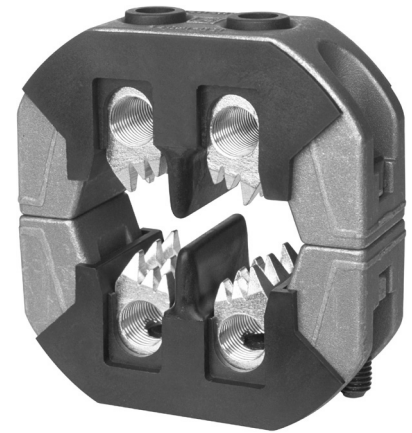


Insulation piercing multi-core connectors

The Hellstern cable ring type connector is specially designed for simple and reliable installation while ensuring maximum safety during life line work.

The connectors are suitable for aluminium or copper, for stranded or solid conductors and cables with PVC or XLPE insulation. The compact design allows installation in reduced size resin filled boxes and in Raychem heat-shrinkable Rayligator joints.



Installation

Cable oversheath is removed and the core separators placed between the cores. The two connector halves positioned over the cores and the bolts slightly tightened. Stripped ends of branch cores inserted in the branch channels and the bolts are tightened. The connector halves are closed by tightening the two outer bolts while the contact segments pierce the main cable cores. The outer metal ring is at all times insulated from the live conductors.

- For 4- and for 3 ½ core cables
- Contact segments with integrated depth limitation
- Branch channels with grooves
- No torque moment key required
- Exceeds requirements according to VDE 0220

Materials:

- Body: High strength aluminium alloy
- Contact segment: electro tinned brass
- Insulation parts: Glass fibre reinforced polymer
- Bolts: Tinned steel 12.9

Conductors types:

- sm: Sector stranded.
- se: Sector solid.
- rm: Round stranded
- re: Round solid.

Cable ring type connector for 4-core cables

Ordering description standard version	branch with shear head	Main conductor rm/sm (mm ²)	re/se (mm ²)	Branch conductor rm/sm (mm ²)	re/se (mm ²)	Dimensions A / B / circle (mm)	Width across flats (mm)	Weight (kg/100pcs)
HEL-4874	HEL-4874-AK	35- 70	50- 95	6- 50	6- 70	87/ 87/ 96	6 / 5	42,4
HEL-6874	HEL-6874-AK	50- 70	70- 95	6- 50	6- 70	87/ 87/ 96	6 / 5	42,6
HEL-6875	HEL-6875-AK	70-120	95-150	6- 50	6- 70	87/ 87/ 96	6 / 5	42,2
HEL-6876	HEL-6876-AK	95-120	120-150	6- 50	6- 70	91/ 87/100	6 / 5	44,6
HEL-6877	HEL-6877-AK	95-120	120-150	10- 95/ 35-120	16-120/ 50-150	100/120/125	6 / 6	46,0
HEL-6878	-	150	185	6- 70	6- 70	103/ 93/115	6 / 5	60,0
HEL-6879	-	185	240	6- 70	6- 70	110/115/124	8 / 5	69,4
HEL-6880	-	240	-	6- 70	6- 70	110/115/124	8 / 5	69,4
HEL-5876	HEL-5876-AK	-	120-150	6- 50	6- 70	91/ 87/ 98	6 / 5	46,0
HEL-5877	HEL-5877-AK	-	120-150	10- 95/ 35-120	16-120/ 50-150	100/120/125	6 / 6	46,0

A-height, B-width

Cable ring type connector for 3 ½ -core cables with reduced cross section of neutral conductor

Ordering description	Main phase conductor rm/sm (mm ²)	re/se (mm ²)	neutral conductor rm/sm (mm ²)	re/se (mm ²)	Branch conductor rm/sm (mm ²)	re/se (mm ²)	Dimensions A / B / circle (mm)	Width across flats (mm)	Weight (kg/100pcs)
HEL-4875.3	70-120	95-150	35- 70	50- 95	6- 50	6- 70	87/ 87/ 95	6 / 5	42,2
HEL-6878.3	150	185	70	70	6- 50*	6- 50	110/115/115	6 / 5	63,8
HEL-6879.3	185	240	95	95	6- 50	6- 50	110/115/124	8 / 5	73,2
HEL-6880.3	240		120	120	6- 50	6- 50	110/115/124	8 / 5	72,2

A-height, B-width