

RAYCHEM LINK BOXES (HVLB) WITH DIFFERENT CABLE SHEATH GROUNDING OPTIONS

KEY FEATURES

- Different designs available
- Stainless steel box
- Different mechanical protection levels up to IP68
- Electrically and mechanically type tested
- With or without surge arresters
- With or without removable links
- For concentric cables or single cables

Link Boxes are used for earthing and bonding cable sheaths of single core cables so that the induced voltages and circulating currents are eliminated or reduced.

Single core cables in operation carry alternating currents and induced voltages in the metallic sheath of the cable. These currents may cause, depending from the sheath bonding, circulating currents flowing in the cable sheath which reduce the transmission capacity of the cable and cause an additional heating.

TE Connectivity's Raychem link boxes have reliable design and the housing is made of stainless steel. The enclosure is water and dust tight type tested to fulfil the requirements of protection class IP68 for installations below ground. For other applications, e.g. indoor installation, link boxes with less protection class are also available. Designs are capable to withstands different electrical demands for several voltage classes.

The link box lid is lockable by a standard security deadlock. The optional sheath voltage limiters (SVL) are made of zinc oxide and are designed to meet the requirements of IEC 60099-4. Link boxes with SVLs are available for different voltage classes and provide active over-voltage protection that contributes directly to improved reliability of the system.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

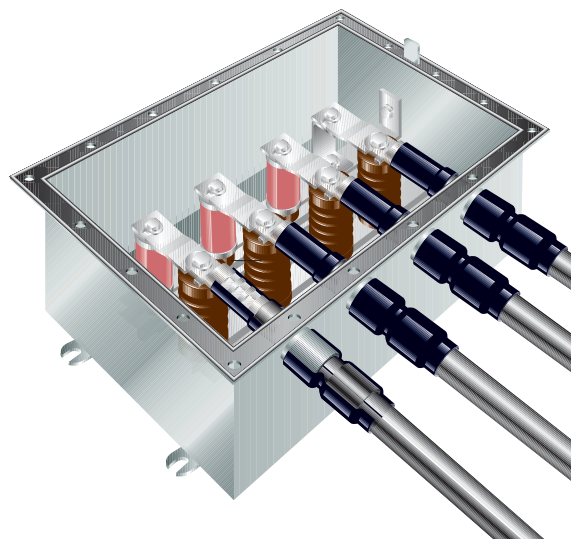
Raychem Link Boxes



The cable entries are available with different inner diameters to fit single core or concentric cables with different cross sections.

For perfect sealing, cable entries are protected with coated heat shrink tubes.

Sheath bonding cables are fixed by various methods with compression lugs or by using clamping rings. The tinned copper links are removable and available for cross sections up to 300 mm².



TYPE MATRIX LINKBOX

Type			Options	
Cable Type (bonding lead)	Application	Basic Description	Number of Entries (for bonding lead)	Size of SVL Rated Voltage Class 1
Single core (sico)	Via SVL grounding	HVLB-E-S-X-1-X-U-IP68-B-X	1 entry	1kV, 2kV, 3kV, 4kV, 5kV, 6kV, 7kV, 8kV
		HVLB-E-S-X-3-X-U-IP68-B-X	3 entries	
		HVLB-E-S-X-4-X-U-IP68-B-X	4 entries	
		HVLB-E-S-X-5-X-U-IP68-B-X	5 entries	
	Direct grounding	HVLB-E-S-O-1-X-U-IP68-B-X	1 entry	without
		HVLB-E-S-O-3-X-U-IP68-B-X	3 entries	
		HVLB-E-S-O-4-X-U-IP68-B-X	4 entries	
		HVLB-E-S-O-6-X-U-IP68-B-X	6 entries	
Crossbonding	HVLB-C-S-X-6-X-U-IP68-B-X	6 entries	1kV, 2kV, 3kV, 4kV, 5kV, 6kV, 7kV, 8kV	
Concentric (coax)	Via SVL grounding	HVLB-E-C-X-3-X-68-B-dd-DD	6 entries (circuit points)	1kV, 2kV, 3kV, 4kV, 5kV, 6kV, 7kV, 8kV
	Direct grounding	HVLB-E-C-O-3-X-68-B-dd-DD	6 entries (circuit points)	without
	Crossbonding	HVLB-C-C-X-3-X-68-B-dd-DD	6 entries (circuit points)	1kV, 2kV, 3kV, 4kV, 5kV, 6kV, 7kV, 8kV

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