

## High Voltage Splices, Terminations & Accessories



### Link Boxes

#### Cross Bonding and Sectionalization for High-Voltage Cable Systems

##### Link Boxes and Sheath Voltage Limiters

Link boxes are used with cable joints and terminations to provide easy access to shield breaks for test purposes and to limit voltage build-up on the sheath. Lightning, fault currents and switching operations can cause overvoltages on the cable sheath. The link box optimizes loss management in the cable shield on cables grounding both sides.

##### Application

- Can be installed in pits or vaults and on structures or poles
- Use with single core or concentric bonding lead
- Cross section up to 250 kcmil
- Direct grounding
- Single point bonding
- Cross bonding
- Cross bonding and transposition
- Sheath voltage limiters (SVL)

##### Type tests

- Tested to ANSI/IEEE Std. 575. Guide for the application of sheath-bonding methods for single conductor cables and the calculation of induced voltages and currents in cable sheaths.
- CIGRE/ELECTRA recommendations for cross bonding (Larger cable cross sections on request)

#### Selection Information: dimensions in millimeters

Catalog Number		Number of Phases	Sheath Voltage Limiter	Dimensions (MM)		
				L	W	H
EPPA-055-0/1	Direct grounding	1	---	300	190	165
EPPA-055-3/1	Cross bonding	1	3 kV	300	190	165
EPPA-055-6/1	Cross bonding	1	6 kV	300	190	165
EPPA-055-0/3	Direct grounding	3	---	310	310	255
EPPA-055-3/3	Cross bonding	3	3 kV	310	310	255
EPPA-055-6/3	Cross bonding	3	6 kV	310	310	255

#### Product Information

Test Reports: PPR 1168 Type Test of Link Box LBOX3-ZnO-3

PPR 1449 Type Test of Link Box EPPA-055-6/3