

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