



TLb Link Box Product Spec Sheet

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TLb PRODUCT SURGE PROTECTIVE DEVICE (SPD)

Thor Systems' **TLb** Series is an underground transmission Link Box available with both station class arresters and copper grounding bars. The Link Box is used to provide overvoltage protection for underground transmission cables by bonding the cable sheaths to ground either through surge arresters or a direct C11000 copper connection to avoid a Cable Dielectric Fault.

Typical installations include two Link Boxes: **Arrester Link Box** (comprised of 4, 6, 8, 10 or 12kV Surge Arresters) and **Ground Link Box** (with Copper Ground Bars). One spliced sheath conductor is connected to the Arrester Link Box and a second spliced sheath conductor is connected to the Ground Link Box. This provides a path to ground for the excessive sheath voltage, preventing a Cable Dielectric Fault.

MECHANICAL SPECIFICATIONS

Box Dimensions	26-1/2"H x 22-1/2"Wx10-5/8"D
Box Construction	10 GA (0.130") 316 Stainless Steel
Box Hardware	316 Stainless Steel
Internal Bus Structure	1/4" Thick ETP C11000 Cooper; 316 Stainless Steel Hardware

DESIGN FEATURES

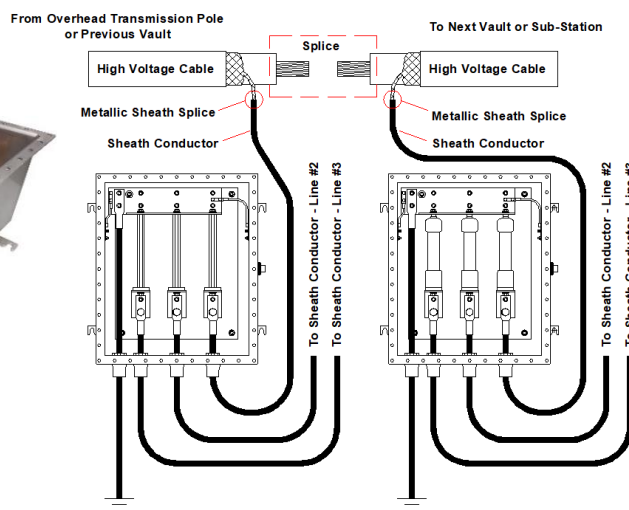
Accepts 4KV, 6kV, 8kV, 10kV, 12, or 15kV Surge Arresters
Accepts Ground Bars for Ground Link Boxes
Includes provisions to apply Pressure Test at installation
Individual Grounding Connections
View Port provides inside view of enclosure without removing lid (using a Borescope)
Integrated lifting handles and D-Hook
Withstands enclosure test for Water Emersion, Electrical & Dielectric Ratings



Link Box
316 Stainless Steel



TLb-GND Series
Link Box with Ground Bars



TLb-ARR Series
Link Box with Surge Arresters

MODEL NOS. & DESCRIPTIONS

BOX TYPE	MODEL NO.	DESCRIPTION
ARRESTER LINK BOX	TLb-ARR-000	Arrester Link Box with NO arresters installed
	TLb-ARR-104	Arrester Link Box with 4kV ABB arresters installed
	TLb-ARR-106	Arrester Link Box with 6kV ABB arresters installed
	TLb-ARR-108	Arrester Link Box with 8kV ABB arresters installed
	TLb-ARR-110	Arrester Link Box with 10kV ABB arresters installed
	TLb-ARR-112	Arrester Link Box with 12kV ABB arresters installed
	TLb-ARR-115	Arrester Link Box with 15kV ABB arresters installed
GROUND LINK BOX	TLb-GND-000	Ground Link Box with Copper Ground Bars installed

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