ELB-35-600-ARSTR

35 kV 600A T-Body Elbow Arrester

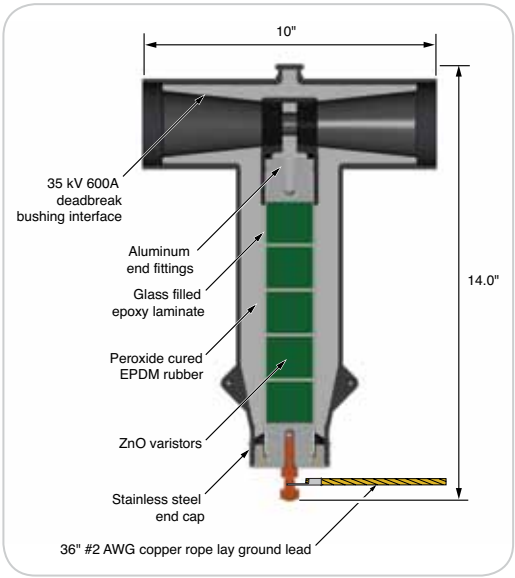
KEY FEATURES

- The 600A interface bolts directly to a bushing, saving space and eliminating the need for adaptors.
- All MOV elements and end fittings are integrated in a single piece. There are no glued interfaces. The design is void and gap free ensuring peak performance under the harshest conditions.
- Tested in accordance with the dead front arrester failure mode test, which has proven TE Connectivity elbow arrester to have safe and predictable failure characteristics.
- Large diameter MOV elements provide high energy handling capability.

The ELB Series is designed to protect underground cables and medium voltage apparatus from voltage surges due to lightning and switching transients. They combine gapless metal oxide varistor technology in a pre-molded 600A T-body elbow to provide over-voltage protection in a fully shielded, fully submersible device.

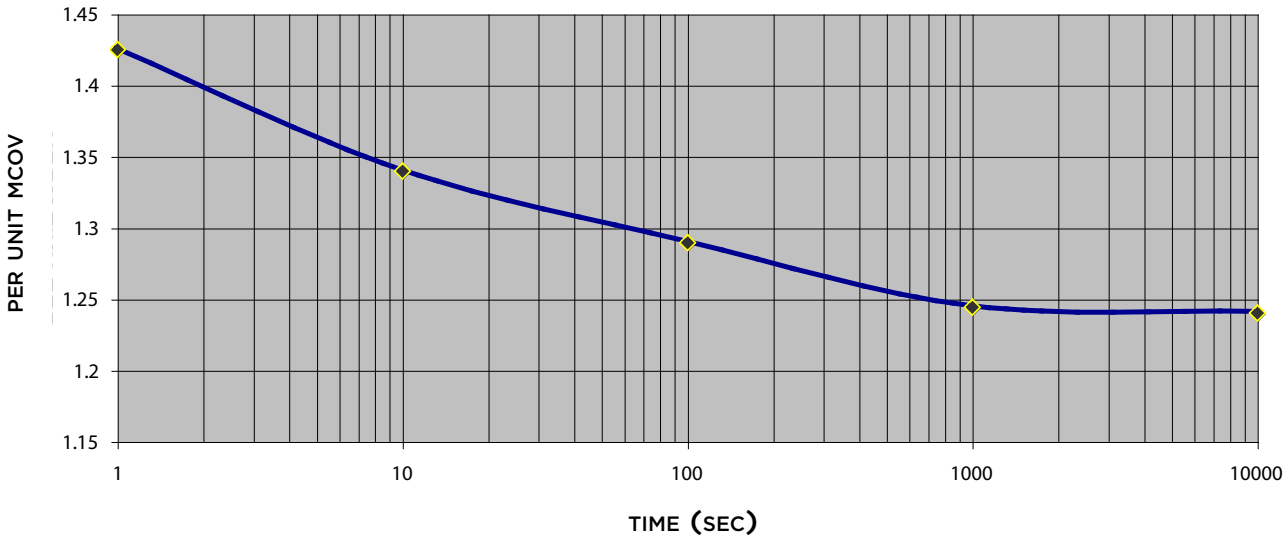
The elbow arrester has a 600A interface which is compatible with all 600A bushings that meet IEEE Standard 386. Installation is achieved by bolting the elbow arrester directly to the bushing. The arrester installs in the same manner as a standard 35 kV 600A elbow and eliminates the need for bushing extenders and 200A load break interface arresters.

The design incorporates an epoxy fiber module which integrates all MOV components in a single unit. The ELB Series arresters are qualified to the latest revision of IEEE C62.11 (2005) and IEEE 386 (2006).



Raychem
from TE Connectivity

Temporary Overvoltage Curve (TOV), 85C



Related test reports:
EDR-5506, EDR-5489

Performance Characteristics	
Arrester Type	**Normal Duty**
High Current Short Duration	65 kA, 4 x 10µsec
Low Current Long Duration	75A, 2000µsec
Duty Cycle	10 kA, 8 x 20µsec
Energy Absorption Rating	5.1 kJ/kV MCOV
Following each of the preceding tests the arrester demonstrates thermal recovery at MCOV.	

Production Tests		
MOV Blocks	**MOV Module**	**Elbow Arrester Assembly**
Residual voltage	Reference voltage	
Reference voltage	Watts loss	Partial discharge
Leakage current	Partial discharge	Periodic x-ray analysis
Physical examination		
High current impulse (batch)		
Aging (batch)		

Product Selection Information						
Catalog Number	**Duty Cycle Rating (kV/ rms)**	**MCOV (kVrms)**	**Maximum Discharge Voltage (kV crest) 8 x 20 microsecond current wave**			
			1.5kA	**5kA**	**10kA**	**20kA**
ELB-35-600 ARSTR-27	27	22.0	65.6	72.3	78.2	85.7
ELB-35-600 ARSTR-30	30	24.4	72.6	79.9	86.5	94.8
ELB-35-600 ARSTR-33	33	26.8	80.1	88.2	95.4	104.5
ELB-35-600 ARSTR-36	36	29.0	87.1	95.9	103.8	113.8

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