C_ELB_600_ARST

ELB-35-600 Arrester

600 A 35 kV T-Body Elbow Arrester

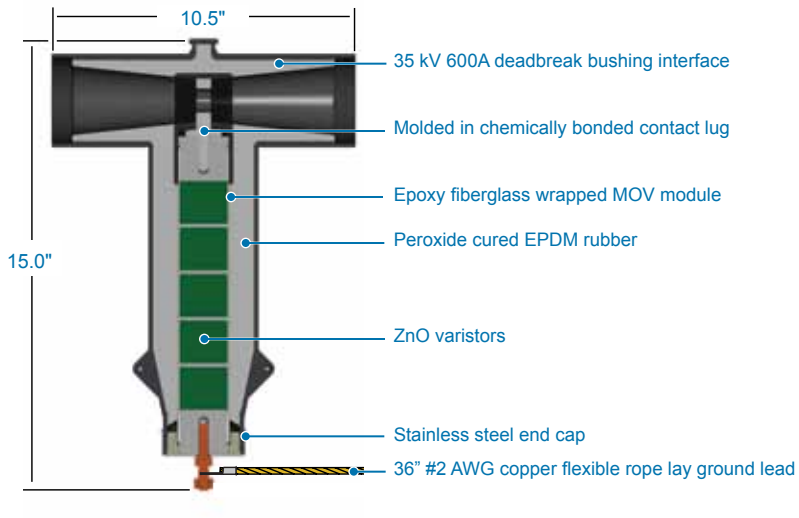
The Raychem ELB-35-600-ARSTR elbow arresters are designed to protect underground cables and high-voltage apparatus from voltage surges due to lightning and switching transients. They are fully submersible and meet the performance requirements of IEEE C62.11 and IEEE standard 386.

The 600A interface elbow arrester eliminates the need for bushing extenders, reducing tap plugs, and 200A load break interface arresters and installs in the same manner as a standard 35 kV 600 A elbow. The design incorporates an epoxy fiber module which integrates all MOV components in a single unit.

- 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's elbow arrester to have safe and predictable failure characteristics.
- Large diameter MOV elements provide high energy handling capability.

ELB-35-600-ARSTR

Kit Contents:
- Elbow Arrester
- Insulating Plug (Al)
- Stud (Al)
- 36" tinned Cu Ground Lead
- Silicone Lubricant
- Installation Instruction



Selection Information: dimensions in inches (millimeters)

Catalog Number	Duty Cycle Rating (kV/rms)	MCOV (kVrms)	Maximum Discharge Voltage (kV crest) 8 x 20 microsecond current wave 1.5 kA	5 kA	10 kA	20 kA
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

Performance Characteristics

High Current Short Duration	65kA, 4 x 10µsec
Low Current Long Duration	75A, 2000µsec
Duty Cycle	5kA, 8 x 20µsec

Following each of the preceding tests the arrester demonstrates thermal recovery at MCOV.

100% Production Test
Partial Discharge 26 kV (10pc)
AC 1 minute withstand 50 kV (housing only)
Reference Voltage Test