

Porcelain Hollow Insulators

- Wet Process Porcelain
- Extrusion Technology
- Wet Turning Process
- C130 and C130 HS (Ultra High Strength)
LAPP Insulators Alumina Porcelain
- High Creepage Options
- Brown RAL 8017 / Grey ANSI 70
- Conical Shape (Tapered for DTB and Bushings)
- Cylindrical Shape (LTB, DTB)
- Barrel Shape (LTB)
- Special Customer Design Shape (Bushings, Housings)
- **Voltage Class:** 1 – 1100 kV (up to >9 m with glued multi-pv piece design)
- **Product Standards:** IEC 62155, IEC 60672, IEC TS 62371 (draft)
- **Experience:** > 70 years



Main advantages

- Most Reliable Hollow Insulator Product
- Extreme Weather and Environmental Resistant
- High/Ultra High Mechanical Strength
- Extreme Low Deflections under Mechanical Loading (in comparison to Composite Hollow Insulators)
- Life-Expectancy > 40 years
- Full Customer Specific Design Options
- 1-piece designs up to 245 kV
- 2-piece design for 420 kV
- 3-piece design for 525 kV
- 4-piece design for 800 kV
- Silicone Coatings available for Applications under Extreme Pollution

References

See also our complete Reference List for Porcelain

- Siemens (LTB, Germany)
- Siemens (DTB, USA)
- Areva (LTB, DTB, Germany, France, China, Mexico, USA)
- ABB (Sweden, Switzerland)
- Mitsubishi Electric Company (DTB, USA)
- S&C (LTB, USA)
- Kuhlmann (CT/VT, USA)
- Cooper (USA)
- Ohio Brass/Hubbel (Surge Arrestors, USA)

Designs

Inner Ø		Min. Wall Thickness	Pollution Class*	h1, Max**
[mm]	[inch]	[mm]	[mm / kV]	[mm]
from 100	from 4"	> 15	12 – 55	up to 1500
up to 750	up to 30"	> 60	12 – 55	up to 2600

* in accordance with IEC 60815, higher specific creepage distance possible in individual cases

** max connection length



End Fittings

- Flanges
- Special Fittings with Inserts and Field Control Devices
- IEC TS 62371 (draft) types
- Special customer and tailor-made fittings

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