

RODURFLEX

Composite Suspension



- HTV Silicone Rubber, Generation III
- Modular System
- ECR Glass Brittle Fracture Resistant FRP Core
- Fail-safe metastable sealing system
- Extreme Creepage Options
- **Voltage Class:** 1 – 800 kV (>800kV in serial unit arrangements)
- **Product Standards:** IEC 61109, ANSI C29.11, ANSI C29.12
- **Experience:** > 40 years

Shed / Housing Profiles

- Smooth sheds / underrib sheds
- All profiles in accordance with IEC TS 60815-3

Main advantages

- Enables Compact OHTL Design
- Braced Applications offer Extra High Strength
- Superior Pollution Performance (Hydrophobicity Transfer Mechanism)
- Earthquake Resistant
- Vandalism Proof
- Fail-Safe Arrangements (Bendable Bases) available
- Able to withstand Extreme Dynamic and Impact Loads
- Light Weight: Easy Transport, Handling, Installation
- Flexible in Design (Modular System)
- Technology proven since more than 40 years

References

- 69 – 230 kV USA, various Utilities
- 420 kV ESKOM Compact Line "Palmiet-Stikkland" (braced twin post design, crossarm)
- 123 kV SEC, Saudi Arabia
- 45 – 245 kV Iberdrola, Spain
- 123 kV CEGEDEL, Luxembourg
- 123 kV PSE, Poland
- 24 – 36 kV all Utilities in Spain
- 15 kV German Railways and Distribution Lines of German Utilities

Designs

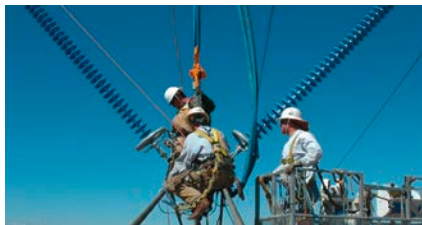
Core \varnothing		Specified Mechanical Load (SML) Class	Specific Creepage Distance*	h1, Max**
[mm]	[inch]			
16	0.63	133	12 – 55	6000
19	0.75	180	12 – 55	6000
24	0.95	310	12 – 55	8000
36.8	1.45	550	12 – 55	8000
45	1.75	750	12 – 55	8000
63.6	2.5	1500	12 – 55	8000
76.2	3.0	2000	12 – 55	8000

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

** max connection length

End Fittings

- All IEC 60120 and IEC 60471 types
- All ANSI C29.12, 52-3, 52-5, 52-8, 52-11
- All IEC 61466 types
- Special customer and tailor-made fittings possible



LAPP Insulators GmbH
 Bahnhofstraße 5
 D-95632 Wunsiedel / Germany
 Phone: +49 (0) 92 32 - 50 19 2
 sales@lappinsulators.com

The fascination of solutions
 lappinsulators.com

