Chapter 5

Insulator Design

5.4 Protected Creepage Distance

By Orient Power
Part of the creepage distance on the illuminated side of the insulator which would lie in shadow if light were projected on to the insulator at 90° (or 45° in special cases) to the longitudinal axis of the insulator.

**Creepage distance and protected creepage distance:**

The distance from A to B on the left side is part of protected Creepage distance, and many A to B distances added on an insulator will form the total protected Creepage distance.

The protected creepage distance plus unprotected creepage distance is the creepage distance.

**Pin post insulator:**

Pin post insulator is good way to increase the protected Creepage distance on an line post insulator, it will have better electrical performance when operating.

Orient power website provides more insulator information.