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# Chapter 2

## Line Post Insulator Properties

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2.5 ANSI line post insulator types

By Orient Power

# ANSI line post insulator types



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ANSI C29.7 has detailed requirement for each type of line post insulator:

## **Vertical tie top type:**

Classes ANSI 57-1, 57-2, 57-3: F neck

57-4, 57-5, 57-6: N neck

Picture 1 left

## **Vertical clamp top type:**

ANSI 57-11, 57-12, 57-13, 57-14, 57-15, 57-16

Picture 2 left

## **Horizontal clamp top cup base type:**

ANSI 57-21, 57-22, 57-23, 57-24, 57-25, 57-26

Picture 3 left

## **Horizontal clamp top gain base type:**

ANSI 57-31, 57-32, 57-33, 57-34, 57-35, 57-36

Picture 4 left

## **Color of ANSI class line post insulator:**

Grey: Munsell notation 5BG 7.0/0.4

Test items required on C29.7:

### **Design test:**

Low frequency dry flashover test, Low frequency wet flashover test, Critical impulse flashover test  
Radio-influence voltage test, Thermal shock test

### **Quality conformance tests:**

Visual and dimensional tests, porosity test, galvanizing test, cantilever strength test

**Routine test:** routine flashover, cantilever