



sales@orientinsulators.com
<http://www.suspensioninsulators.com>

Chapter 1

Suspension Insulator Definition

1.6 ANSI suspension insulator

By Orient Power

ANSI suspension insulator



Orient Power

sales@orientinsulators.com

<http://www.suspensioninsulators.com>

Usually, the insulator material has the ceramic and composite, so the ANSI suspension insulator can be divided into porcelain suspension insulator and polymer insulator:

ANSI standard suspension insulator is: ANSIC29.2, ANSIC29.11-89.

Color for ANSI suspension insulator:

Porcelain: grey, gray, brown, white

Composite: red, grey, gray

Types of ANSI suspension insulator:

Porcelain: ANSI52-1, ANSI52-2, ANSI52-3, ANSI52-4, ANSI52-5, ANSI52-6, ANSI52-7, ANSI52-8, ANSI52-9A

Composite: there is no specific model, should design according to customer's request.

Design test for ANSI suspension insulator:

Porcelain:

- ✧ Low frequency dry/wet flashover test
- ✧ Critical impulse flashover test(positive and negative)
- ✧ Radio-influence voltage test
- ✧ Thermal-mechanical load cycle test
- ✧ Thermal shock test
- ✧ Residual strength test
- ✧ Impact test
- ✧ Cotter key test
- ✧ Cement expansion

Composite:

- ✧ Lighting critical-impulse flashover test
- ✧ Alternating-voltage rated dry flashover test
- ✧ Switching critical-impulse flashover test