

Dry flexible outdoor termination (64/110 kV)

Product Descriptions

- Choose high-quality imported liquid silicone rubber as raw material which has the advantages of high strength, high elasticity, corona resistance, leakage resistance and aging resistance.
- It has the characteristics of oil-free, explosion-proof, earthquake-resistant, light weight and maintenance-free.
- The installation is extremely convenient and the installation position is flexible, which can be installed vertically and obliquely.
- The leakage ratio of external insulation is 35mm/kV, and it can be a special product.
- The stress cone at the electric field intensity of the product is covered by an umbrella skirt, which affects the electric field distribution from the outside.

Technical Requirements

- Only vertical installation, cannot be installed at a certain angle or inverted installation.
- The connector can be chosen as the compression or sheat bolt.
- When installing outdoor terminals, users need to provide assistance in erecting installation platforms and sheds and hoisting casing.



Technical Specifications

Area Of Application

Applicable cable cross-sections:	240~1600 mm ²
Max.system voltage:	126 kV
System rated frequency:	50 Hz
Elevation:	≤2000 m
Operation temperature;	-55 °C~45 °C
Cable Shield Style	Tape/wire/corrugated Al

Design Data

Height	1500 mm
Weight(excluding cable)	40 kg / 88.18 lbs
Creepage distance	4500 mm
Top seal system	silicone rubber sealing tube
Storage temperature	0 °C~35 °C
Installation temperature	5 °C~35 °C

Electrical Test

Electrical Type Test (IEC 60840)

Heating cycle voltage	152 kV
Partial discharge test at ambient and elevated temperatures	No detctable discharge exceeding the declared sensitivity (114kV, 3.6pC)
Lighting impulse voltage 1.2 μs/50 μs	650 kV

Electrical Routine Test (IEC 60840)

AC withstand voltage	190 kV
Partial discharge test	No detctable discharge exceeding the declared sensitivity (114kV, 3.6pC)

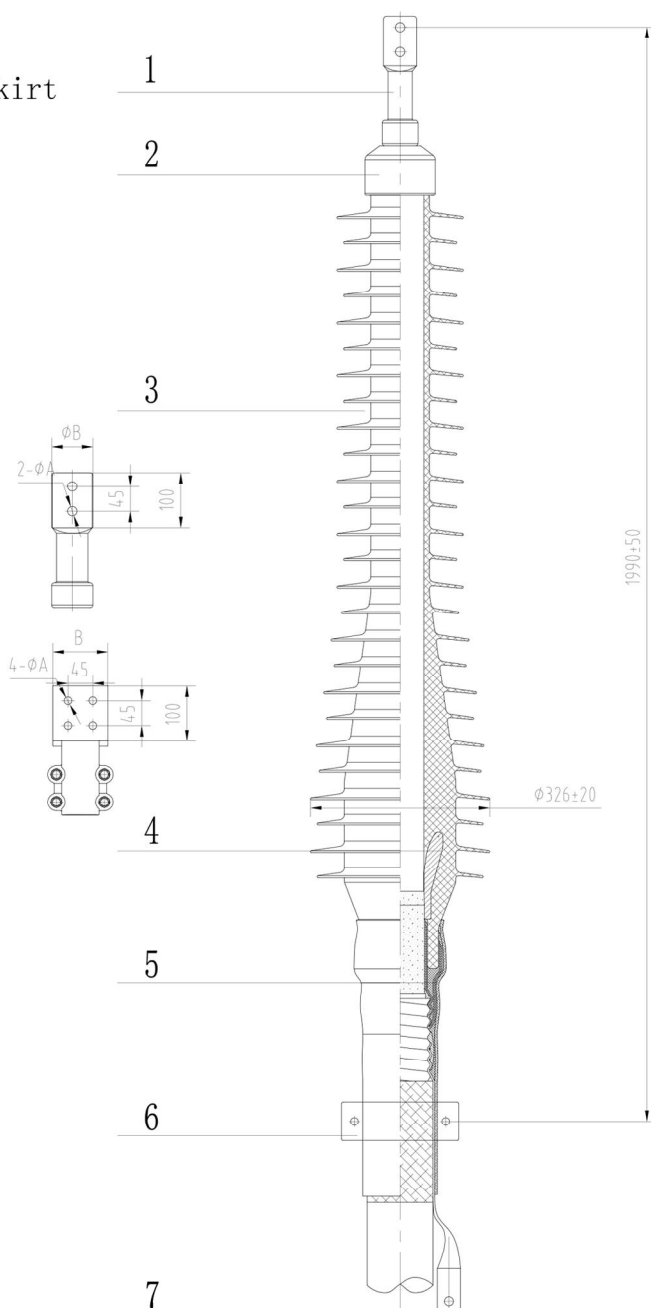
Structure Diagram

1. Clamp
2. Sealing cover
3. Silicone rubber umbrella skirt
4. Stress cone
5. Current collector
6. Fixing clip
7. Earth braid

Cable cross-section	A	B	Hole number
240	13	49	2
300	13	49	2
400	13	54	2
500	13	54	2
630	17	59	2
800J	17	64	2
800F	17	64	2
1000	17	69	2
1200	14	100	4
1400	14	100	4
1600	14	100	4

Note:

1. Mass: 40kg approx.
2. Dimensions in mm.
3. Only portions within continuous solid lines are provided (except cables).



DESIGN	Xie Lei	DATE	2023.6.6	COMPANY NAME	Angelor(Jiangsu)Intelligent Electric Co. Ltd.
DWN	Xie Lei	DATE	2023.6.6	NAME	110kV Dry flexible termination
CHK	Zhang Haitao	DATE	2023.6.14	DRAWING NUMBER	YJZWG4 64/110
APVD	Zhang Haitao	DATE	2023.6.14	MASS	40.00kg
DRAWING MARK		SCALE	1:1	REVISION NUMBER	