

PRODUCT MANUAL

Company Profile



Shanghai Jiejin Advanced Electro-materials Co., Ltd. was established in May 2005. As a subsidiary controlled by Shanghai Electric Power Transmission & Distribution Group Co., Ltd., it operates as a third-tier subsidiary under both China Electric Equipment Group Co., Ltd. and Shanghai Electric Group Co., Ltd. The company specializes in the production and sales of medium- and high-voltage cable accessories.

The Company is capable of manufacturing more than 100 types of cable accessories, among which the main products are silicon rubber (SIR), EPDM MV & HV DC and AC cable accessories at the voltage of 220kV and below. The Company have the ability to provide one-stop service including production, sale and installation.

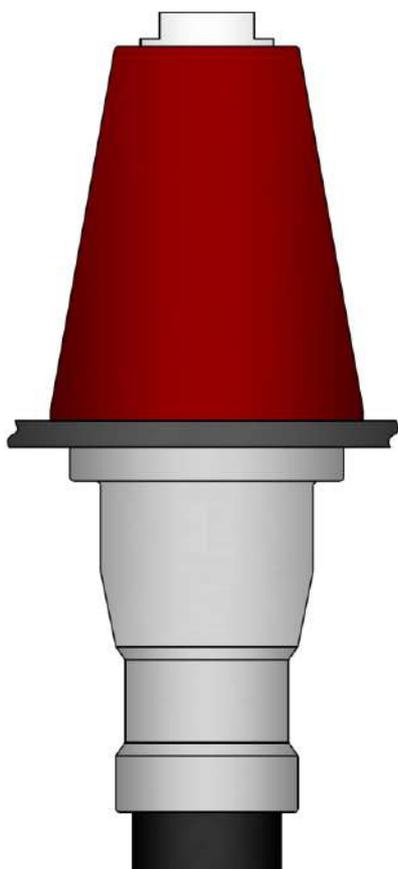
Until now, our products have been widely used in the projects owned by the State Grid in Shanghai, Tianjin, Fujian, Jiangsu, Zhejiang, Anhui, Xinjiang and other provinces; meanwhile, our products have also been applied to overseas market, such as Brazil, Pakistan, Thailand, Sudan, Maldives, Ethiopia. Furthermore, our products have played an important role in power supply system of certain industrial fields, such as rail transit, solar power, wind power, data base and etc.

Shanghai Jiejin Advanced Electro-materials Co., Ltd, will continue to improve and perfect itself to provide more professional, safer and more reliable cable accessories both domestic and

foreign customers. And the Company is committed to providing customers with a complete set of cable accessories solutions based on advanced design, high-quality products, reliable engineering installation and timely after-sales service.

MV Product Introduction

MV GIS Termination



The GIS termination is constructed of liner-and-spring integral compression structure, with the stress cone pressed against the conical wall of epoxy bushing, to overcome the defects such as the elastic relaxation of the stress cone due to material aging and the insufficient surface pressure between stress cone and cable interface, so as to ensure a long-term safe operation of the GIS termination.

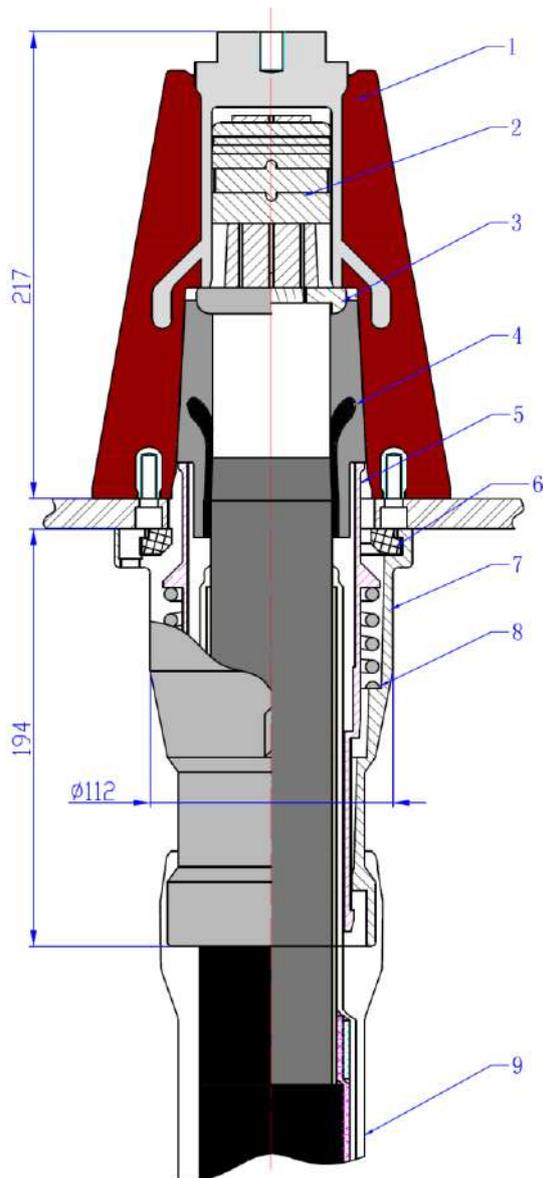
The complete GIS termination is constructed of dry-type structure, and requires no insulating castable, so there is no problem of accelerated aging of prefabricated stress cone due to its immersion in the insulating castable, which improves the service life of the stress cone, and eliminates the oil leakage and other related problems during the operation process of the GIS termination.

Electrical Rating

MV GIS Termination

Rated Voltage	12kV	17.5kV	36kV	40.5kV
AC Withstand	27kV/5min	39kV/5min	81kV/5min	117kV/5min
Lighting Impulse	75kV	95kV	170kV	200kV
Partial Discharge	≤10pC	≤10pC	≤10pC	≤10pC

Detailed Description



No.	Name of Part
1	Epoxy Bushing
2	Conductor Contact
3	Stop Collar
4	Stress Cone
5	Cone Support
6	Sealing Ring
7	Bracket
8	Spring Set
9	Heat Shrinkable Tube

Scope of Application

3# GIS termination (Plug in) inner cone

Voltage grade: 11kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Single Core (Copper Conductor)	JNZ-101-155-A	11 kV	16.5 - 19.0	50
	JNZ-101-155-B	11 kV	16.5 - 19.0	70
	JNZ-101-180-A	11 kV	19.0 - 21.5	95
	JNZ-101-180-B	11 kV	19.0 - 21.5	120
	JNZ-101-205	11 kV	21.5 - 23.5	150
	JNZ-101-225	11 kV	23.5 - 25.5	185
	JNZ-101-245	11 kV	25.5 - 27.5	240
	JNZ-101-265	11 kV	27.5 - 30.0	300
	JNZ-101-290	11 kV	30.0 - 32.0	400
	JNZ-101-325	11 kV	33.5 - 35.5	500
	JNZ-101-370	11 kV	38.0 - 40.0	630
	JNZ-101-410	11 kV	42.0 - 44.0	800
	JNZ-101-475	11 kV	48.5 - 50.5	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 11kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Three Cores (Copper Conductor)	JNZ-103-155-A	11 kV	16.5 - 19.0	50
	JNZ-103-155-B	11 kV	16.5 - 19.0	70
	JNZ-103-180-A	11 kV	19.0 - 21.5	95
	JNZ-103-180-B	11 kV	19.0 - 21.5	120
	JNZ-103-205	11 kV	21.5 - 23.5	150
	JNZ-103-225	11 kV	23.5 - 25.5	185
	JNZ-103-245	11 kV	25.5 - 27.5	240
	JNZ-103-265	11 kV	27.5 - 30.0	300
	JNZ-103-290	11 kV	30.0 - 32.0	400
	JNZ-103-325	11 kV	33.5 - 35.5	500
	JNZ-103-370	11 kV	38.0 - 40.0	630
	JNZ-103-410	11 kV	42.0 - 44.0	800
	JNZ-103-475	11 kV	48.5 - 50.5	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 11kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Single Core (Aluminum Conductor)	JNZA-101-155-A	11 kV	16.5 - 19.0	50
	JNZA-101-155-B	11 kV	16.5 - 19.0	70
	JNZA-101-180-A	11 kV	19.0 - 21.5	95
	JNZA-101-180-B	11 kV	19.0 - 21.5	120
	JNZA-101-205	11 kV	21.5 - 23.5	150
	JNZA-101-225	11 kV	23.5 - 25.5	185
	JNZA-101-245	11 kV	25.5 - 27.5	240
	JNZA-101-265	11 kV	27.5 - 30.0	300
	JNZA-101-290	11 kV	30.0 - 32.0	400
	JNZA-101-325	11 kV	33.5 - 35.5	500
	JNZA-101-370	11 kV	38.0 - 40.0	630
	JNZA-101-410	11 kV	42.0 - 44.0	800
	JNZA-101-475	11 kV	48.5 - 50.5	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 11kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Three Cores (Aluminum Conductor)	JNZA-103-155-A	11 kV	16.5 - 19.0	50
	JNZA-103-155-B	11 kV	16.5 - 19.0	70
	JNZA-103-180-A	11 kV	19.0 - 21.5	95
	JNZA-103-180-B	11 kV	19.0 - 21.5	120
	JNZA-103-205	11 kV	21.5 - 23.5	150
	JNZA-103-225	11 kV	23.5 - 25.5	185
	JNZA-103-245	11 kV	25.5 - 27.5	240
	JNZA-103-265	11 kV	27.5 - 30.0	300
	JNZA-103-290	11 kV	30.0 - 32.0	400
	JNZA-103-325	11 kV	33.5 - 35.5	500
	JNZA-103-370	11 kV	38.0 - 40.0	630
	JNZA-103-410	11 kV	42.0 - 44.0	800
	JNZA-103-475	11 kV	48.5 - 50.5	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 13.8kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Single Core (Copper Conductor)	JNZ-151-155	13.8 kV	16.5 - 19.0	50
	JNZ-151-180	13.8 kV	19.0 - 21.5	70
	JNZ-151-205	13.8 kV	21.5 - 23.5	95
	JNZ-151-225-A	13.8 kV	23.5 - 25.5	120
	JNZ-151-225-B	13.8 kV	23.5 - 25.5	150
	JNZ-151-245	13.8 kV	25.5 - 27.5	185
	JNZ-151-265	13.8 kV	27.5 - 30.0	240
	JNZ-151-290	13.8 kV	30.0 - 32.0	300
	JNZ-151-325	13.8 kV	33.5 - 35.5	400
	JNZ-151-340	13.8 kV	35.0 - 38.0	500
	JNZ-151-390	13.8 kV	40.0 - 42.0	630
	JNZ-151-440	13.8 kV	45.0 - 48.0	800
	JNZ-151-510	13.8 kV	52.0 - 54.0	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 13.8kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Three Cores (Copper Conductor)	JNZ-153-155	13.8 kV	16.5 - 19.0	50
	JNZ-153-180	13.8 kV	19.0 - 21.5	70
	JNZ-153-205	13.8 kV	21.5 - 23.5	95
	JNZ-153-225-A	13.8 kV	23.5 - 25.5	120
	JNZ-153-225-B	13.8 kV	23.5 - 25.5	150
	JNZ-153-245	13.8 kV	25.5 - 27.5	185
	JNZ-153-265	13.8 kV	27.5 - 30.0	240
	JNZ-153-290	13.8 kV	30.0 - 32.0	300
	JNZ-153-325	13.8 kV	33.5 - 35.5	400
	JNZ-153-340	13.8 kV	35.0 - 38.0	500
	JNZ-153-390	13.8 kV	40.0 - 42.0	630
	JNZ-153-440	13.8 kV	45.0 - 48.0	800
	JNZ-153-510	13.8 kV	52.0 - 54.0	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 13.8kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Single Core (Aluminum Conductor)	JNZA-151-155	13.8 kV	16.5 - 19.0	50
	JNZA-151-180	13.8 kV	19.0 - 21.5	70
	JNZA-151-205	13.8 kV	21.5 - 23.5	95
	JNZA-151-225-A	13.8 kV	23.5 - 25.5	120
	JNZA-151-225-B	13.8 kV	23.5 - 25.5	150
	JNZA-151-245	13.8 kV	25.5 - 27.5	185
	JNZA-151-265	13.8 kV	27.5 - 30.0	240
	JNZA-151-290	13.8 kV	30.0 - 32.0	300
	JNZA-151-325	13.8 kV	33.5 - 35.5	400
	JNZA-151-340	13.8 kV	35.0 - 38.0	500
	JNZA-151-390	13.8 kV	40.0 - 42.0	630
	JNZA-151-440	13.8 kV	45.0 - 48.0	800
	JNZA-151-510	13.8 kV	52.0 - 54.0	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 13.8kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Three Cores (Aluminum Conductor)	JNZA-153-155	13.8 kV	16.5 - 19.0	50
	JNZA-153-180	13.8 kV	19.0 - 21.5	70
	JNZA-153-205	13.8 kV	21.5 - 23.5	95
	JNZA-153-225-A	13.8 kV	23.5 - 25.5	120
	JNZA-153-225-B	13.8 kV	23.5 - 25.5	150
	JNZA-153-245	13.8 kV	25.5 - 27.5	185
	JNZA-153-265	13.8 kV	27.5 - 30.0	240
	JNZA-153-290	13.8 kV	30.0 - 32.0	300
	JNZA-153-325	13.8 kV	33.5 - 35.5	400
	JNZA-153-340	13.8 kV	35.0 - 38.0	500
	JNZA-153-390	13.8 kV	40.0 - 42.0	630
	JNZA-153-440	13.8 kV	45.0 - 48.0	800
	JNZA-153-510	13.8 kV	52.0 - 54.0	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 33kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Single Core (Copper Conductor)	JNZ-301-245-A	33 kV	25.5 - 27.5	50
	JNZ-301-245-B	33 kV	25.5 - 27.5	70
	JNZ-301-265	33 kV	27.5 - 30.0	95
	JNZ-301-290	33 kV	30.0 - 32.0	120
	JNZ-301-310	33 kV	32.0 - 34.0	150
	JNZ-301-325	33 kV	33.5 - 35.5	185
	JNZ-301-340-A	33 kV	35.0 - 38.0	240
	JNZ-301-340-B	33 kV	35.0 - 38.0	300
	JNZ-301-390	33 kV	40.0 - 42.0	400
	JNZ-301-410	33 kV	42.0 - 44.0	500
	JNZ-301-440	33 kV	45.0 - 48.0	630
	JNZ-301-510	33 kV	52.0 - 54.0	800
	JNZ-301-570	33 kV	58.0 - 61.0	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 33kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Three Cores (Copper Conductor)	JNZ-303-245-A	33 kV	25.5 - 27.5	50
	JNZ-303-245-B	33 kV	25.5 - 27.5	70
	JNZ-303-265	33 kV	27.5 - 30.0	95
	JNZ-303-290	33 kV	30.0 - 32.0	120
	JNZ-303-310	33 kV	32.0 - 34.0	150
	JNZ-303-325	33 kV	33.5 - 35.5	185
	JNZ-303-340-A	33 kV	35.0 - 38.0	240
	JNZ-303-340-B	33 kV	35.0 - 38.0	300
	JNZ-303-390	33 kV	40.0 - 42.0	400
	JNZ-303-410	33 kV	42.0 - 44.0	500
	JNZ-303-440	33 kV	45.0 - 48.0	630
	JNZ-303-510	33 kV	52.0 - 54.0	800
	JNZ-303-570	33 kV	58.0 - 61.0	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 33kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Single Core (Aluminum Conductor)	JNZA-301-245-A	33 kV	25.5 - 27.5	50
	JNZA-301-245-B	33 kV	25.5 - 27.5	70
	JNZA-301-265	33 kV	27.5 - 30.0	95
	JNZA-301-290	33 kV	30.0 - 32.0	120
	JNZA-301-310	33 kV	32.0 - 34.0	150
	JNZA-301-325	33 kV	33.5 - 35.5	185
	JNZA-301-340-A	33 kV	35.0 - 38.0	240
	JNZA-301-340-B	33 kV	35.0 - 38.0	300
	JNZA-301-390	33 kV	40.0 - 42.0	400
	JNZA-301-410	33 kV	42.0 - 44.0	500
	JNZA-301-440	33 kV	45.0 - 48.0	630
	JNZA-301-510	33 kV	52.0 - 54.0	800
	JNZA-301-570	33 kV	58.0 - 61.0	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 33kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Three Cores (Aluminum Conductor)	JNZA-303-245-A	33 kV	25.5 - 27.5	50
	JNZA-303-245-B	33 kV	25.5 - 27.5	70
	JNZA-303-265	33 kV	27.5 - 30.0	95
	JNZA-303-290	33 kV	30.0 - 32.0	120
	JNZA-303-310	33 kV	32.0 - 34.0	150
	JNZA-303-325	33 kV	33.5 - 35.5	185
	JNZA-303-340-A	33 kV	35.0 - 38.0	240
	JNZA-303-340-B	33 kV	35.0 - 38.0	300
	JNZA-303-390	33 kV	40.0 - 42.0	400
	JNZA-303-410	33 kV	42.0 - 44.0	500
	JNZA-303-440	33 kV	45.0 - 48.0	630
	JNZA-303-510	33 kV	52.0 - 54.0	800
	JNZA-303-570	33 kV	58.0 - 61.0	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 34.5 (26/35) kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Single Core (Copper Conductor)	JNZ-351-265-A	34.5 (26/35) kV	27.5 - 30.0	25
	JNZ-351-265-B	34.5 (26/35) kV	27.5 - 30.0	35
	JNZ-351-290	34.5 (26/35) kV	30.0 - 32.0	50
	JNZ-351-310	34.5 (26/35) kV	32.0 - 34.0	70
	JNZ-351-325	34.5 (26/35) kV	33.5 - 35.5	95
	JNZ-351-340-A	34.5 (26/35) kV	35.0 - 38.0	120
	JNZ-351-340-B	34.5 (26/35) kV	35.0 - 38.0	150
	JNZ-351-370	34.5 (26/35) kV	38.0 - 40.0	185
	JNZ-351-390	34.5 (26/35) kV	40.0 - 42.0	240
	JNZ-351-410	34.5 (26/35) kV	42.0 - 44.0	300
	JNZ-351-440	34.5 (26/35) kV	45.0 - 48.0	400
	JNZ-351-475	34.5 (26/35) kV	48.5 - 50.5	500
	JNZ-351-510	34.5 (26/35) kV	52.0 - 54.0	630
	JNZ-351-540	34.5 (26/35) kV	55.0 - 58.0	800
JNZ-351-600	34.5 (26/35) kV	61.0 - 64.0	1000	

3# GIS termination (Plug in) inner cone

Voltage grade: 34.5 (26/35) kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Three Cores (Copper Conductor)	JNZ-353-265-A	34.5 (26/35) kV	27.5 - 30.0	25
	JNZ-353-265-B	34.5 (26/35) kV	27.5 - 30.0	35
	JNZ-353-290	34.5 (26/35) kV	30.0 - 32.0	50
	JNZ-353-310	34.5 (26/35) kV	32.0 - 34.0	70
	JNZ-353-325	34.5 (26/35) kV	33.5 - 35.5	95
	JNZ-353-340-A	34.5 (26/35) kV	35.0 - 38.0	120
	JNZ-353-340-B	34.5 (26/35) kV	35.0 - 38.0	150
	JNZ-353-370	34.5 (26/35) kV	38.0 - 40.0	185
	JNZ-353-390	34.5 (26/35) kV	40.0 - 42.0	240
	JNZ-353-410	34.5 (26/35) kV	42.0 - 44.0	300
	JNZ-353-440	34.5 (26/35) kV	45.0 - 48.0	400
	JNZ-353-475	34.5 (26/35) kV	48.5 - 50.5	500
	JNZ-353-510	34.5 (26/35) kV	52.0 - 54.0	630
	JNZ-353-540	34.5 (26/35) kV	55.0 - 58.0	800
	JNZ-353-600	34.5 (26/35) kV	61.0 - 64.0	1000

3# GIS termination (Plug in) inner cone

Voltage grade: 34.5 (26/35) kV

Interface size: In accordance with EN50181 standard

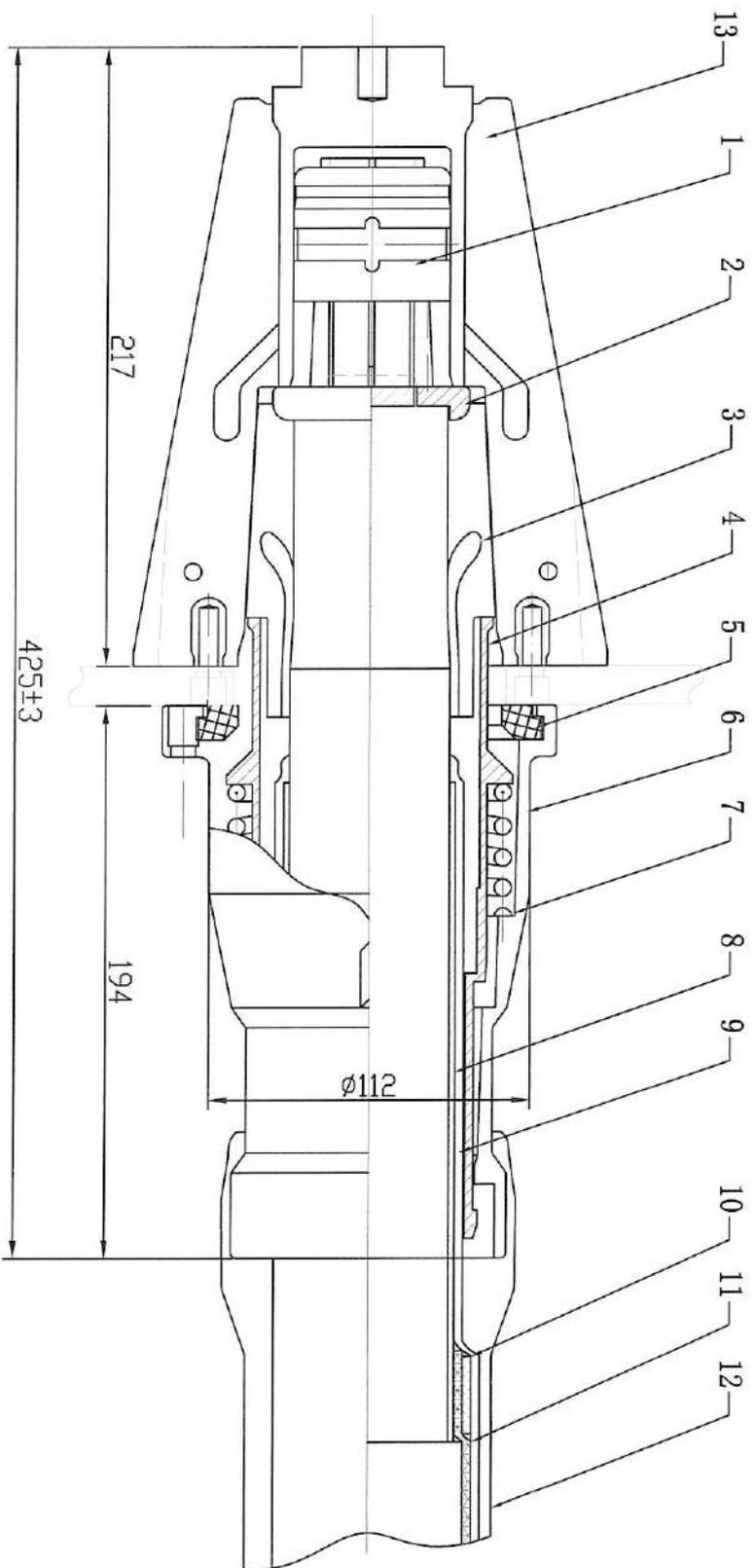
Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Single Core (Aluminum Conductor)	JNZA-351-265-A	34.5 (26/35) kV	27.5 - 30.0	25
	JNZA-351-265-B	34.5 (26/35) kV	27.5 - 30.0	35
	JNZA-351-290	34.5 (26/35) kV	30.0 - 32.0	50
	JNZA-351-310	34.5 (26/35) kV	32.0 - 34.0	70
	JNZA-351-325	34.5 (26/35) kV	33.5 - 35.5	95
	JNZA-351-340-A	34.5 (26/35) kV	35.0 - 38.0	120
	JNZA-351-340-B	34.5 (26/35) kV	35.0 - 38.0	150
	JNZA-351-370	34.5 (26/35) kV	38.0 - 40.0	185
	JNZA-351-390	34.5 (26/35) kV	40.0 - 42.0	240
	JNZA-351-410	34.5 (26/35) kV	42.0 - 44.0	300
	JNZA-351-440	34.5 (26/35) kV	45.0 - 48.0	400
	JNZA-351-475	34.5 (26/35) kV	48.5 - 50.5	500
	JNZA-351-510	34.5 (26/35) kV	52.0 - 54.0	630
	JNZA-351-540	34.5 (26/35) kV	55.0 - 58.0	800
JNZA-351-600	34.5 (26/35) kV	61.0 - 64.0	1000	

3# GIS termination (Plug in) inner cone

Voltage grade: 34.5 (26/35) kV

Interface size: In accordance with EN50181 standard

Cable Type	Product Model	Rated Voltage	Outer Diameter of Cable Insulation (mm)	Cable Cross Section (mm ²)
Three Cores (Aluminum Conductor)	JNZA-353-265-A	34.5 (26/35) kV	27.5 - 30.0	25
	JNZA-353-265-B	34.5 (26/35) kV	27.5 - 30.0	35
	JNZA-353-290	34.5 (26/35) kV	30.0 - 32.0	50
	JNZA-353-310	34.5 (26/35) kV	32.0 - 34.0	70
	JNZA-353-325	34.5 (26/35) kV	33.5 - 35.5	95
	JNZA-353-340-A	34.5 (26/35) kV	35.0 - 38.0	120
	JNZA-353-340-B	34.5 (26/35) kV	35.0 - 38.0	150
	JNZA-353-370	34.5 (26/35) kV	38.0 - 40.0	185
	JNZA-353-390	34.5 (26/35) kV	40.0 - 42.0	240
	JNZA-353-410	34.5 (26/35) kV	42.0 - 44.0	300
	JNZA-353-440	34.5 (26/35) kV	45.0 - 48.0	400
	JNZA-353-475	34.5 (26/35) kV	48.5 - 50.5	500
	JNZA-353-510	34.5 (26/35) kV	52.0 - 54.0	630
	JNZA-353-540	34.5 (26/35) kV	55.0 - 58.0	800
JNZA-353-600	34.5 (26/35) kV	61.0 - 64.0	1000	

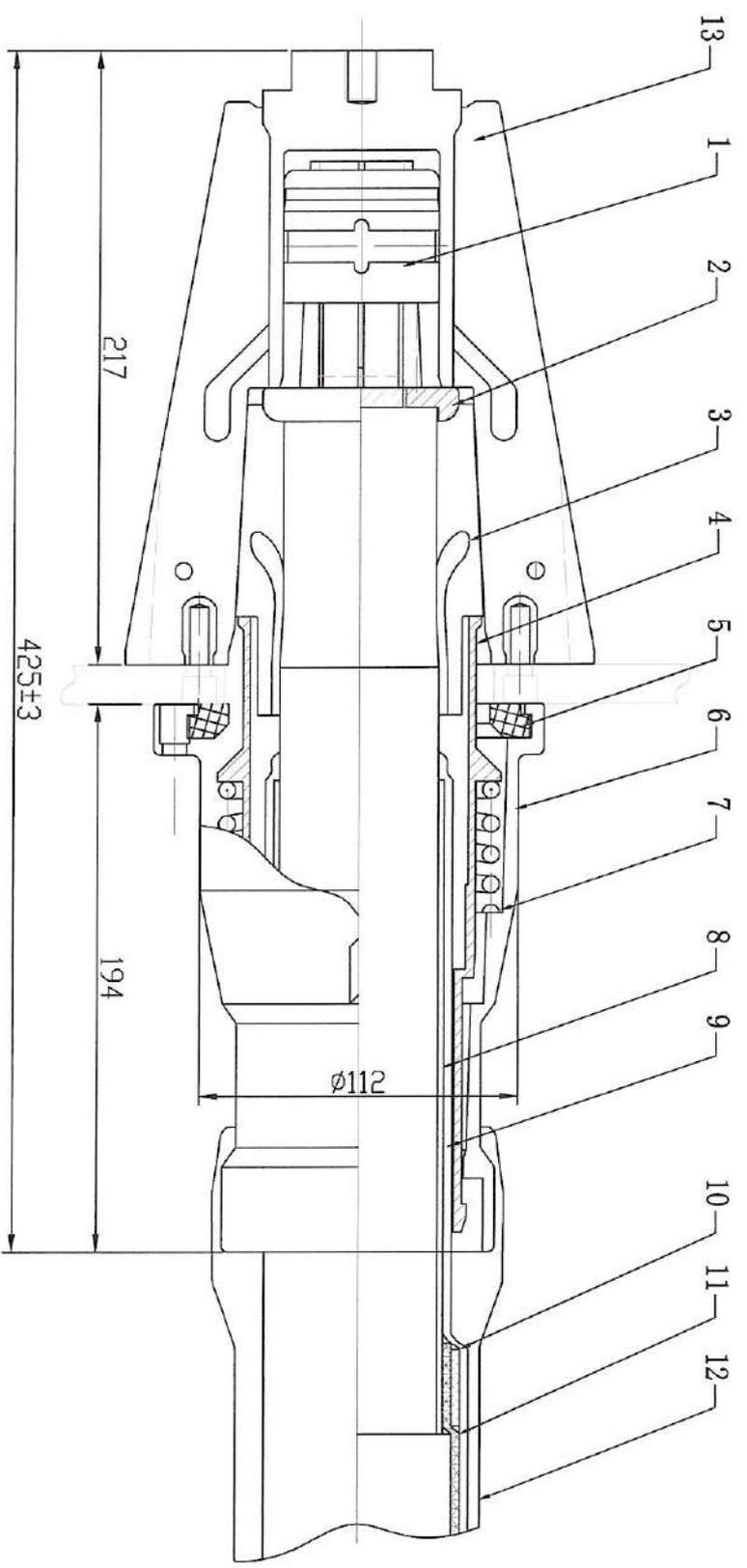


13	3# Epoxy Bushing	Epoxy	1	Note:Epoxy bushing is provided by switch manufacturer
12	Heat Shrinkable Tube		1	
11	Timed Copper Braid			The cross-sectional area is adjusted according to the cable
10	Constant Force Spring		1	
9	Heat Shrinkable Tube		1	
8	Copper Mesh Tape		1	
7	Spring Set		1	
6	Bracket		1	
5	Sealing ring	Rubber	1	
4	Cone Support	Plastics	1	4、5、6、7 Outsourcing assembly
3	Stress Cone	Silicon Rubber	1	J101-03-0051
2	Stop Collar	6061	1	J301-0091
1	Conductor Contact	T2	1	J301-0060/J301-0061
NO.	Name of Part	Material	Q'TY	Remarks (drawing number, specification, surface treatment, others)

3# GIS termination (Plug in) Inner cone
 Voltage grade:11-13.8kV
 Interface size: In accordance with EN50181 standard

Inner Diameter of Stress Cone (mm)	Outer Diameter of Cable Insulation (mm)	11kV Cable Cross Section (mm ²)	13.8kV Cable Cross Section (mm ²)
15.5	16.5 - 19.0	50	50
15.5	16.5 - 19.0	70	70
18.0	19.0 - 21.5	95	70
18.0	19.0 - 21.5	120	95
20.5	21.5 - 23.5	150	120
22.5	23.5 - 25.5	185	150
22.5	23.5 - 25.5	240	185
24.5	25.5 - 27.5	300	240
26.5	27.5 - 30.0	400	300
29.0	30.0 - 32.0	500	400
32.5	33.5 - 35.5	630	500
34.0	35.0 - 38.0	-	630
37.0	38.0 - 40.0	-	800
39.0	40.0 - 42.0	-	800
41.0	42.0 - 44.0	-	1000
44.0	45.0 - 48.0	-	1000
47.5	48.5 - 50.5	-	1000
51.0	52.0 - 54.0	-	1000

APPROVED: _____ CHECKED: _____
 DESIGNED: _____ DRAWN: _____
 Shanghai Jiejian Advance
 JIEJIAN Electric Materials Co., Ltd
 SCALE: 1/2.5
 UNIT: mm
 MASS: kg
 1/1
 2024/9/20
 11-13.8kV 3# GIS Termination
 (Plug in) Inner Cone
 EA3JPB-0005



13	3# Epoxy Bushing	Epoxy	1	Note:Epoxy bushing is provided by switch manufacturer
12	Heat Shrinkable Tube		1	
11	Tinned Copper Braid		1	The cross-sectional area is adjusted according to the cable
10	Constant Force Spring		1	
9	Heat Shrinkable Tube		1	
8	Copper Mesh Tape		1	
7	Spring Set		1	
6	Bracket		1	
5	Sealing ring	Rubber	1	
4	Cone Support	Plastics	1	4, 5, 6, 7 Outsourcing assembly
3	Stress Cone	Silicon Rubber	1	J101-03-0051
2	Stop Collar	6061	1	J301-0091
1	Conductor Contact	T2	1	J301-0060/J301-0061
NO.	Name of Part	Material	Q'TY	Remarks (drawing number, specification, surface treatment, others)

3# GIS termination (Plug in) inner cone
 Voltage grade:33-34.5kV
 Interface size: In accordance with EHS0181 standard

Inner Diameter of Stress Cone (mm)	Outer Diameter of Cable Insulation (mm)	33kV Cable Cross Section (mm ²)	34.5kV Cable Cross Section (mm ²)
21.5	25.5 - 27.5	50	-
24.5	25.5 - 27.5	70	-
26.5	27.5 - 30.0	95	25
28.5	27.5 - 30.0	-	35
29.0	30.0 - 32.0	120	50
31.0	32.0 - 34.0	150	70
32.5	33.5 - 35.5	185	95
34.0	35.0 - 38.0	240	120
34.0	35.0 - 38.0	300	150
37.0	38.0 - 40.0	-	185
39.0	40.0 - 42.0	400	240
41.0	42.0 - 44.0	500	300
44.0	45.0 - 48.0	630	400
47.5	48.5 - 50.5	-	500
51.0	52.0 - 54.0	800	630
54.0	55.0 - 58.0	-	800
57.0	58.0 - 61.0	1000	-
60.0	61.0 - 64.0	-	1000

APPROVED: _____ CHECKED: _____
 DESIGNED: _____ DRAWN: _____

SCALE: 1/2.5
 UNIT: mm
 MASS: kg

Shanghai Jiejin Advance
 Electric-materials Co., Ltd

33-34.5kV 3# GIS Termination (Plug in) Inner Cone

2024/9/20

EA3JPB-0003

C