

Cold shrink cable joint

JS-A 12-42 kV

Application

Cold shrink joint for XLPE-insulated 1-core or 3-core cables with Al or Cu conductor for 12-42 kV.

Standard

- IEC 60502.4
- GB/T 12706.4

Features

- Cold shrink joint body is made of liquid silicone rubber with hydrophobic performance and is erosion resistant. High elasticity and ability to shrink ensure powerful and constant active pressure between rubber and cable that can respond to expanding or shrinking cable diameters under load cycle.
- Stress relief cone, insulation and conductive layers are premolded together as one-piece design requiring no installation tools. This resolves issues like poor bonding between separate layers and ensures safe operation.
- Unique multi-layer waterproof structure. Waterproof armoring tape and resin outer jacket solutions are available.



12 kV Cold shrink cable joint selection guide

Product	Type		Insulation diameter (mm)	Conductor cross section (mm ²)	
	3-core	1-core		6/10(12) kV	8.7/15(17.5) kV
Joint (waterproof and armour tapes outer jacket)	JS-A121-3	JS-A121-31	14.8-19.5	35-70	25-50
	JS-A122-3	JS-A122-31	19.5-23.9	95-150	70-120
	JS-A123-3	JS-A123-31	23.9-34.0	185-400	150-400
	JS-A124-3	JS-A124-31	31.3-45.0	400-630	400-630
Joint (resin outer jacket)	JSG-A121-3	JSG-A121-31	14.8-19.5	35-70	25-50
	JSG-A122-3	JSG-A122-31	19.5-23.9	95-150	70-120
	JSG-A123-3	JSG-A123-31	23.9-34.0	185-400	150-400
	JSG-A124-3	JSG-A124-31	31.3-45.0	400-630	400-630

24 kV Cold shrink cable joint selection guide

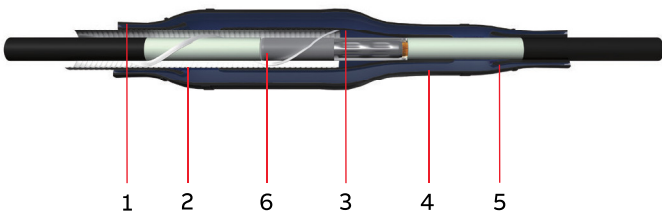
Product	Type		Insulation diameter (mm)	Conductor cross section (mm ²)
	3-core	1-core		12/20(24) kV
Joint (waterproof and armour tapes outer jacket)	JS-A242-3	JS-A242-31	18.5-23.0	35-70
	JS-A243-3	JS-A243-31	23.0-31.5	95-240
	JS-A244-3	JS-A244-31	31.5-37.3	300-400
	JS-A245-3	JS-A245-31	37.3-45.0	500-630
Joint (resin outer jacket)	JSG-A242-3	JSG-A242-31	18.5-23.0	35-70
	JSG-A243-3	JSG-A243-31	23.0-31.5	95-240
	JSG-A244-3	JSG-A244-31	31.5-37.3	300-400
	JSG-A245-3	JSG-A245-31	37.3-45.0	500-630

42 kV Cold shrink cable joint selection guide

Product	Type		Insulation diameter (mm)	Conductor cross section (mm ²)	
	3-core	1-core		21/35(40.5) kV	26/35(40.5) kV
Joint (waterproof and armour tapes outer jacket)	JS-A422-3SC1	JS-A422-1SC1	28.3-39.6	50-95	50-95
	JS-A422-3SC2	JS-A422-1SC2	28.3-39.6	120-185	120-185
	JS-A423-3SC3	JS-A423-1SC3	38.3-54.2	240-400	240-400
	JS-A423-3SC4	JS-A423-1SC4	38.3-54.2	500-630	500-630
Joint (resin outer jacket)	JSG-A422-3SC1	JSG-A422-1SC1	28.3-39.6	50-95	50-95
	JSG-A422-3SC2	JSG-A422-1SC2	28.3-39.6	120-185	120-185
	JSG-A423-3SC3	JSG-A423-1SC3	38.3-54.2	240-400	240-400
	JSG-A423-3SC4	JSG-A423-1SC4	38.3-54.2	500-630	500-630

Always select product by insulation diameter.

Structure



1. Conductive outer layer

Premolded structure with high quality material for reliable and effective shielding.

2. Spiral core

Plastic spiral core with self-locking structure.

3. Conductive inner layer

Enough length to cover conductor connector.

4. Insulation layer

Premolded with high quality material. No gas bubble or delamination between conductive inner and outer layer.

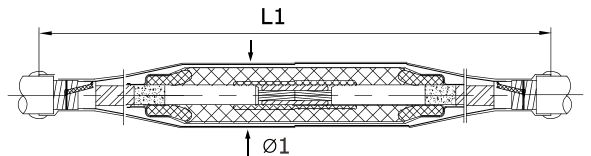
5. Geometrical field control unit

The stress cone is premolded in joint body.

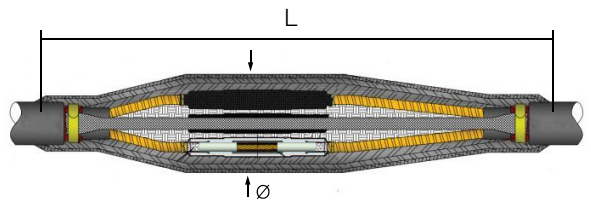
6. Metal screen cover unit

The metal screen cover is standard material for joint, and design according the cable insulation diameter.

1-core structure after installaion



3-core structure after installaion



Demension after installaion

Type	Voltage kV	Conductor section mm ²	L	Ø	L1	Ø1 (mm)	
JS-A12X	10	1-core	25-400	-	-	~ 1220	~ 80
			500-630	-	-	~ 1200	~ 90
		3-core	25-400	~ 1660	~ 150	-	-
			500-630	~ 1860	~ 160	-	-
JS-A24X	20	1-core	35-240	-	-	~ 1000	~ 90
			300-630	-	-	~ 1200	~ 100
		3-core	35-240	~ 1660	~ 160	-	-
			300-630	~ 1860	~ 170	-	-
JS-A42X	35	1-core	50-185	-	-	~ 1550	~ 110
			240-630	-	-	~ 1550	~ 120
		3-core	50-185	~ 2100	~ 220	-	-
			240-630	~ 2100	~ 240	-	-