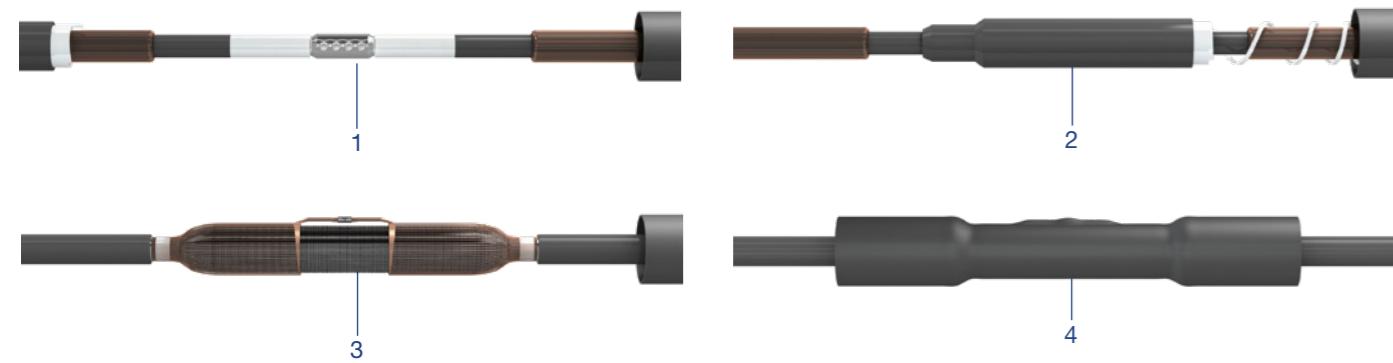


Mounting steps



Design:

- 1 Cable prepared, cold shrink joint body and outer sheath tube positioned on parking position, shear bolt connector mounted
- 2 Cold shrink joint body in position, easy shrinking by removing the spiral support body
- 3 Shield connection
- 4 Finishing with outer sheath and sealing



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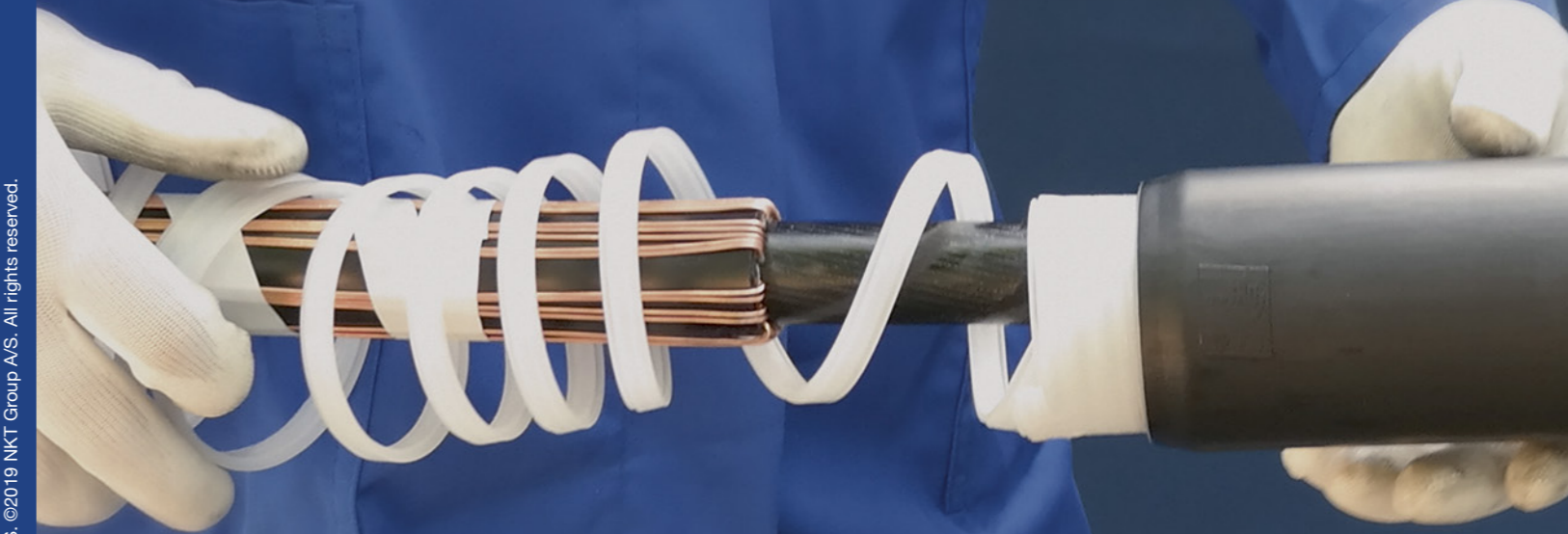
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NKT

COLD SHRINK JOINT TYPE JC
12-24 KV 1- OR 3-CORE CABLES

JC – a fast connection



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Easy to assemble and safe to operate

The NKT cold shrink joints technology.

With our cold shrink joints you will mostly find the tailor-made solution for your requirements. The cold shrink joint provides noticeable cost benefits; the cross sections range taking joint allow a reduction of the storage cost and a faster network availability.

By on-site installation the patented spiral support body permits an uncomplicated safe and reliable assembly. Additional to the JC joint, you have access to the NKT big range of cold-applied technology products.

Your benefits:

- Range taking applications
- Reduction of storage
- Quick and convenient installation by easy removal of the new patented spiral support body
- Fast network availability after installation
- No need of special tools
- Premoulded joint body with integrated geometric field control elements
- Independent from system frequency
- Insensitive to high frequency voltages (harmonic content)

Perfectly configured – with the appropriate components

All components of our cold shrink joints are designed for simple and safe installation. The silicone premoulded joint body with integrated geometrical field control elements exerts a uniform and constant pressure on the connecting element and the peeled cable and hence ensures long-term operational availability.

The advantages of these flexible materials are combined with a mechanical robust heat shrink outer jacket.

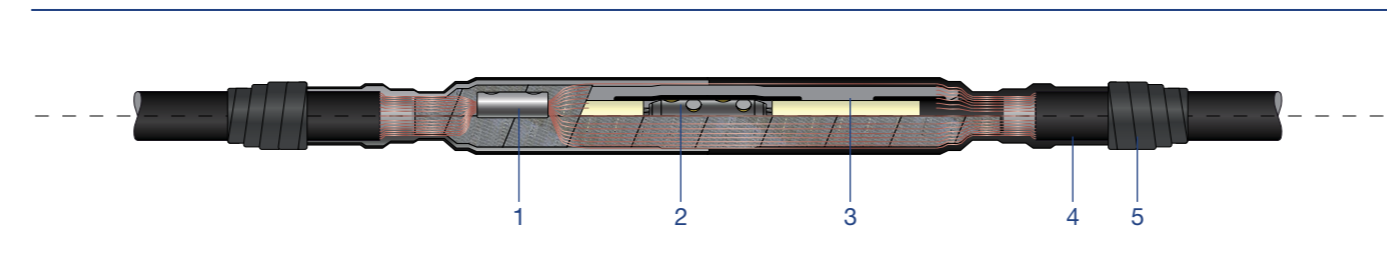
When jointing cables with aluminum foil for radial watertightness a diffusion seal is used under the heat shrink outer jacket.

Our ambition is to meet the highest requirements

In the field of energy transmission systems, the chronicle of NKT is characterized by pioneering and groundbreaking innovations. The requirements of the customers take always the first place.

Thanks to high-quality product solutions and customer-oriented service offers, NKT is the internationally established market partner for energy supply companies, wind farms, industrial customers, wholesalers and electrical installers.

Design cold shrink joint type JC:



1 Screen connector

2 Shear bolt connector

3 Cold shrink joint body with integrated field control elements

4 Outer sheath

5 Sealing

The advantages of the cold shrink joint body:

- The elastic silicone rubber ensures a uniform and constant contact pressure, even in the case of strong network workload or high fluctuations
- Patented spiral support body technology facilitates easy handling and prevent strip tearing during assembly as well as possible injuries due to sharp edges
- Premoulded joint body with integrated geometrical field control elements

The product specifications of cold shrink connection joints type JC:

- Premoulded silicone joint body with integrated geometrical field control elements
- Patented NKT support spiral body for easy assembly
- After installation uniform insulation wall thickness and permanent elastic pressure
- Type test according to HD 629.1 / VDE 0278-629-1
- Range taking shear-off bolt connectors tested according to IEC 61-238-1

12 kV 1-core

Type	Cross section	Insulation diameter
JC 121-1 HS	25 – 95	14.0 – 21.7
JC 121-1 HSW	25 – 95	14.0 – 21.7
JC 122-1 HS	95 – 240	18.2 – 25.9
JC 122-1 HSW	95 – 240	18.2 – 25.9
JC 123-1 HS	185 – 300	22.5 – 34.6
JC 123-1 HSW	185 – 300	22.5 – 34.6
JC 124-1 HS	400	30.9 – 42.8
JC 124-1 HSW	400	30.9 – 42.8
JC 125-1 HS	500 – 630	36.8 – 57.8
JC 125-1 HSW	500 – 630	36.8 – 57.8

24 kV 1-core

Type	Cross section	Insulation diameter
JC 241-1 HS	50 – 150	18.2 – 25.9
JC 241-1 HSW	50 – 150	18.2 – 25.9
JC 242-1 HS	95 – 240	22.5 – 34.6
JC 242-1 HSW	95 – 240	22.5 – 34.6
JC 243-1 HS	300 – 400	30.9 – 42.8
JC 243-1 HSW	300 – 400	30.9 – 42.8
JC 244-1 HS	500-630	36.8 – 57.8
JC 244-1 HSW	500-630	36.8 – 57.8

12 kV 3-core

Type	Cross section	Insulation diameter
JC 121-3 HS	25 – 95	14.0 – 21.7
JC 121-3 HSW	25 – 95	14.0 – 21.7
JC 122-3 HS	95 – 240	18.2 – 25.9
JC 122-3 HSW	95 – 240	18.2 – 25.9
JC 123-3 HS	185 – 300	22.5 – 34.6
JC 123-3 HSW	185 – 300	22.5 – 34.6

24 kV 3-core

Type	Cross section	Insulation diameter
JC 241-3 HS	10 – 95	14.0 – 21.7
JC 241-3 HSW	10 – 95	14.0 – 21.7
JC 242-3 HS	95 – 240	22.5 – 34.6
JC 242-3 HSW	95 – 240	22.5 – 34.6
JC 243-3 HS	300 – 400	30.9 – 42.8
JC 243-3 HSW	300 – 400	30.9 – 42.8