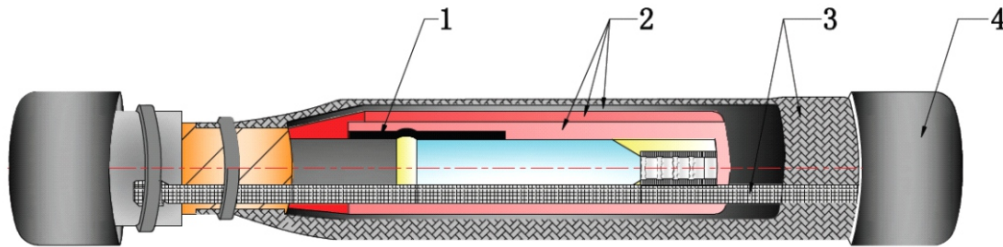


RSJY

Heat Shrink Joints For MV Cables Up To 42kV

Design of Joint

The joints are designed for MV screened, 1-core polymeric insulated cables with or without armour. The same design principles are used for 3-core cables.



1. Electrical stress control

Stress control tube, together with stress relief mastic, is used to smooth out the electrical field at the cable screen ends.

2. Insulation and screen

Heat shrink insulation tube delivers consistent insulation thickness to meet or exceed that of the cable.

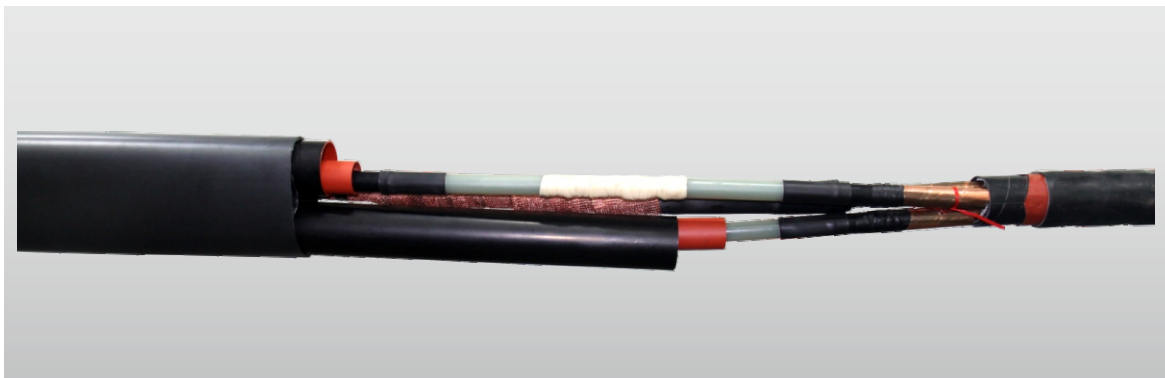
Heat shrink semi-conductive /insulation dual layer tube is also adopted to help ensure a void-free interface between the insulation and screen.

3. Metallic shielding

Copper mesh wrapped around the joint area rebuilds the metallic screen. Either soldering or solderless earth connection is available to provide screen continuity across the joint.

4. Outer sealing and protection

The outer sealing and protection is performed by an adhesive coated heat shrink tube. It provides mechanical protection and chemical resistance as expected from cable overshooth.

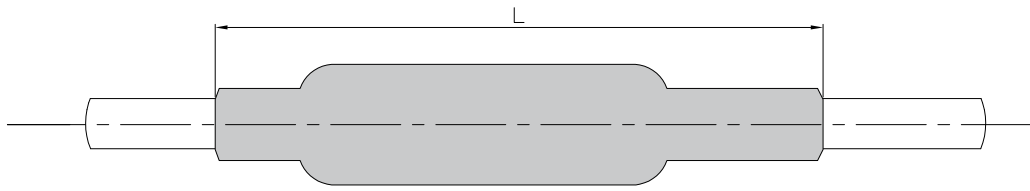


RSJY-1

Straight joint for screened, 1-core polymeric insulated cables 6kV, 10kV, 20kV, 30kV and 35kV

The joint is designed for screened single core polymeric insulated MV cables up to 35kV.

Stress control tube, together with stress relief mastic, is used to smooth out the electrical field at the cable screen ends. Heat shrink insulation tube delivers consistent insulation thickness over the core insulation. Heat shrink dual layer tube is adopted to help ensure a void-free interface between the insulation and screen. Copper mesh wrapped around the joint area rebuilds the metallic screen. Either soldering or solderless earth connection is available to provide screen continuity across the joint. The outer sealing and protection is performed by an adhesive coated heat shrink tube.



Selection Table

| Nominal voltage $U_o/U(U_m)$ | Cross section (mm^2) | Kit No. | L Dimensions(mm) |
|-----------------------------------------------------|---------------------------------|--------------|---------------------|
| 3.6 / 6(7.2)kV | 50-120 | 6kVRSJY-1/1 | 1000 |
| | 150-240 | 6kVRSJY-1/2 | 1000 |
| | 300-400 | 6kVRSJY-1/3 | 1000 |
| | 500 | 6kVRSJY-1/4 | 1000 |
| 6 / 10(12)kV 6.35 / 11(12)kV 8.7 / 15(17.5)kV | 50-95 | 10kVRSJY-1/1 | 1000 |
| | 120-185 | 10kVRSJY-1/2 | 1000 |
| | 240-300 | 10kVRSJY-1/3 | 1000 |
| | 400-500 | 10kVRSJY-1/4 | 1000 |
| 12 / 20(24)kV 12.7 / 22(24)kV | 35-50 | 20kVRSJY-1/1 | 1000 |
| | 70-120 | 20kVRSJY-1/2 | 1000 |
| | 150-240 | 20kVRSJY-1/3 | 1000 |
| | 300-400 | 20kVRSJY-1/4 | 1200 |
| | 500-630 | 20kVRSJY-1/5 | 1200 |
| | 800-1000 | 20kVRSJY-1/6 | 1200 |
| | 1200 | 20kVRSJY-1/7 | 1200 |
| 18 / 30(36)kV 19 / 33(36)kV | 35-50 | 30kVRSJY-1/1 | 1400 |
| | 70-120 | 30kVRSJY-1/2 | 1400 |
| | 150-240 | 30kVRSJY-1/3 | 1400 |
| | 300-400 | 30kVRSJY-1/4 | 1400 |
| | 500-630 | 30kVRSJY-1/5 | 1400 |
| | 800-1000 | 30kVRSJY-1/6 | 1400 |
| | 1200 | 30kVRSJY-1/7 | 1400 |
| 20.8 / 36(42)kV 26 / 35(42)kV | 50 | 35kVRSJY-1/1 | 1400 |
| | 70-120 | 35kVRSJY-1/2 | 1400 |
| | 150-240 | 35kVRSJY-1/3 | 1400 |
| | 300-400 | 35kVRSJY-1/4 | 1500 |
| | 500-630 | 35kVRSJY-1/5 | 1500 |
| | 800-1000 | 35kVRSJY-1/6 | 1500 |
| | 1200 | 35kVRSJY-1/7 | 1500 |

Note:

- 1.Connectors need to be ordered separately.
- 2.RSJY-1 is for cables with copper wire screen without armour.
- 3.For cables with other construction ,please order kits separately.

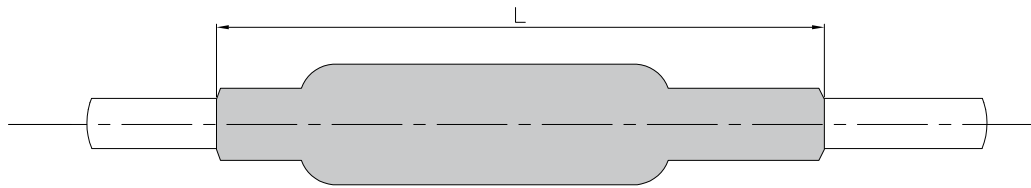
Remark:Above cross-section range selection is for reference, the final determination factor is the diameter over insulation

RSJY-3

Straight joint for screened, 3-core polymeric insulated cables 6kV, 10kV, 20kV, 30kV and 35kV

The joint is designed for screened three core polymeric insulated MV cables up to 35kV.

Stress control tube, together with stress relief mastic, is used to smooth out the electrical field at the cable screen ends. Heat shrink insulation tube delivers consistent insulation thickness over the core insulation. Heat shrink dual layer tube is adopted to help ensure a void-free interface between the insulation and screen. Copper mesh wrapped around the joint area rebuilds the metallic screen. Either soldering or solderless earth connection is available to provide screen continuity across the joint. The outer sealing and protection is performed by an adhesive coated heat shrink tube.



Selection Table

| Nominal voltage $U_0/U(U_m)$ | Cross section (mm^2) | Kit No. | L Dimensions(mm) |
|-----------------------------------------------------|---------------------------------|--------------|---------------------|
| 3.6 / 6(7.2)kV | 50-120 | 6kVRSJY-3/1 | 1800 |
| | 150-240 | 6kVRSJY-3/2 | 1800 |
| | 300-400 | 6kVRSJY-3/3 | 1800 |
| | 500 | 6kVRSJY-3/4 | 1800 |
| 6 / 10(12)kV 6.35 / 11(12)kV 8.7 / 15(17.5)kV | 50-95 | 10kVRSJY-3/1 | 1800 |
| | 120-185 | 10kVRSJY-3/2 | 1800 |
| | 240-300 | 10kVRSJY-3/3 | 1800 |
| | 400-500 | 10kVRSJY-3/4 | 1800 |
| 12 / 20(24)kV 12.7 / 22(24)kV | 35-50 | 20kVRSJY-3/1 | 1800 |
| | 70-120 | 20kVRSJY-3/2 | 1800 |
| | 150-240 | 20kVRSJY-3/3 | 1800 |
| | 300-400 | 20kVRSJY-3/4 | 2600 |
| | 500-630 | 20kVRSJY-3/5 | 2600 |
| 18 / 30(36)kV 19 / 33(36)kV | 35-50 | 30kVRSJY-3/1 | 2700 |
| | 70-120 | 30kVRSJY-3/2 | 2700 |
| | 150-240 | 30kVRSJY-3/3 | 2700 |
| | 300-400 | 30kVRSJY-3/4 | 2700 |
| | 500-630 | 30kVRSJY-3/5 | 2700 |
| 20.8 / 36(42)kV 26 / 35(42)kV | 50 | 35kVRSJY-3/1 | 2700 |
| | 70-120 | 35kVRSJY-3/2 | 2700 |
| | 150-240 | 35kVRSJY-3/3 | 2700 |
| | 300-400 | 35kVRSJY-3/4 | 2800 |
| | 500-630 | 35kVRSJY-3/5 | 2800 |

Note:

- 1.Connectors need to be ordered separately.
- 2.RSJY-3 is for cables with copper wire screen without armour.
- 3.For cables with other construction ,please order kits separately.

Remark:Above cross-section range selection is for reference, the final determination factor is the diameter over insulation