JLSR

Cold shrink straight joint with epoxy resin protection upto 42kV

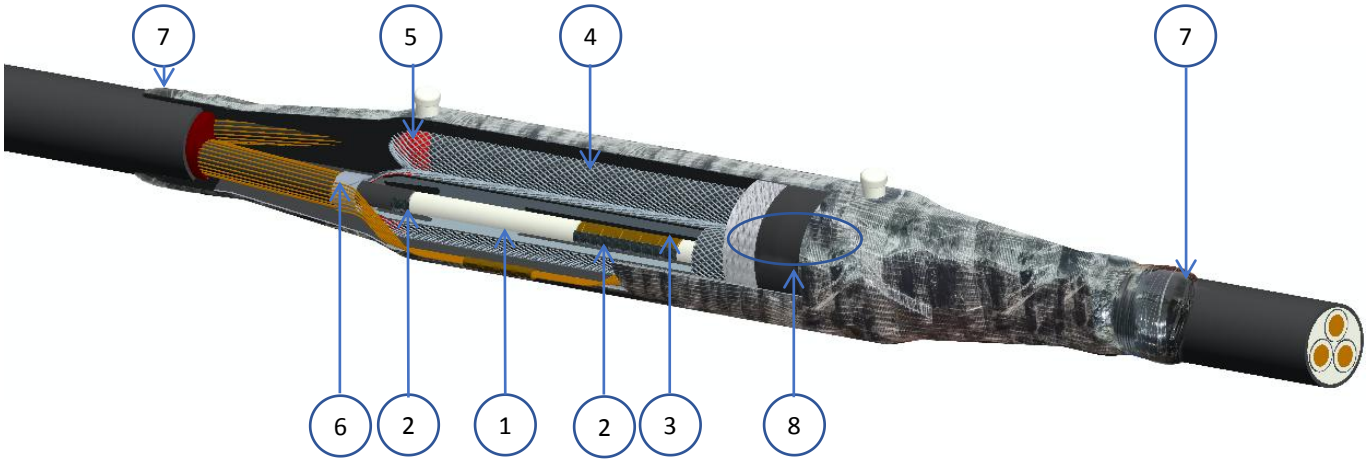
Application

The JLSR The cold-shrinkable straight joint is suitable for jointing polymeric insulated medium voltage cables with extruded easy strip conductive screen or bonded extruded conductive screen, copper wire or copper tape screened and non-armoured.

Outer jacket consist of gap tape, epoxy cast resin and fibre enforced tape offer excellent mechanical strength and environmental seal. Design for 3 cores cable joint in aggressive condition.

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV



Design

1. Three layers joint body with a conductive outer layer, an insulating layer and integrated conductive inner layer for electrical stress control.
2. Self amalgamating conductive tape
3. Compression or mechnical connector
4. Copper mesh
5. Red Sealant mastic
6. Non-magnetic constant force spring
7. Composite insulating water proof tape
8. Outer jacket consist of space tape, epoxy cast resin and fibre enforced tape

Kit content

- 3 × JLS joint body
- Materials for out jacket: Gap tape, fibre enforced tape, Two-component epoxy cast resin outer jacket
- Copper mesh
- Non-magnetic constant force spring
- Self amalgamating conductive tape
- Composite insulating water proof tape
- Silicone grease
- Installation instructions
- Assembly kits (for different cable type)

Specifications and standard

JLSR cold shrink straight joint meets the requirements of CENELEC HD 629.1. and IEC 60502

Exclusive service:

- All joint bodies are scanned before delivering by X-Ray scanner to guarantee ZERO defect in inner struction
- All joint bodies are tested for AC withstand before delivering

Ordering instruction

Select product by dia. over core insulation.

Order example:
Nominal voltage 12/20 kV,
Dia. over core insulation 23-33mm
Conductor cross-section 95-240 mm²
Part. name: JLSR-20/3.2

Classification and Dimension

Conductor cross-section (mm^2)		Dia. over core insulation (mm)		Art.-No.
Min.	Max.	Min.	Max.	
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV				
25	50	13.5	16.2	JLSW-10/3.1
70	120	16.5	21	JLSW-10/3.2
150	240	23	26.5	JLSW-10/3.3
300	400	27	30.5	JLSW-10/3.4
$U_0/U(U_m)$ 8.7/15(17.5)kV				
25	50	13.5	16.2	JLSW-15/3.1
70	120	16.5	21	JLSW-15/3.2
150	240	23	26.50	JLSW-15/3.3
300	400	30.7	35	JLSW-15/3.4
500	800	37	46	JLSW-15/3.5
$U_0/U(U_m)$ 12/20(24)kV				
35	70	16.2	23	JLSW-20/3.1
95	185	25	29.5	JLSW-20/3.2
240	400	30	34	JLSW-20/3.3
500	630	39.5	46	JLSW-20/3.4
$U_0/U(U_m)$ 18/30(36)kV				
35	70	22	27	JLSW-30/3.1
95	185	29.5	34	JLSW-30/3.2
240	400	39.5	46	JLSW-30/3.3
500	800	44	54	JLSW-30/3.4
$U_0/U(U_m)$ 20.8/36(42)kV				
50	70	29.5	30	JLSW-42/3.1
95	185	32	35	JLSW-42/3.2
240	400	38	44	JLSW-42/3.3
500	800	48	54	JLSW-42/3.4

Note: The classification does only apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. For other cables, Please contact with our representative.