

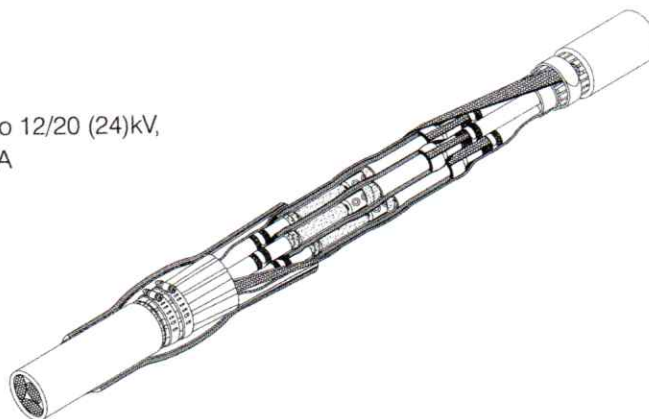
Medium Voltage Heat Shrinkable Straight Through Joints

HKSJ

Heat Shrinkable Straight Through Joint for 6.35/11 (12)kV to 12/20 (24)kV, 3-core plastic insulated cable with tape/wire screen & SWA

Application:

Straight-through joints Type HKSJ designed to cover 3-core plastic insulated cables (with PVC, PE, XLPE, and EPR outer sheath) with steel wire /tape armour, copper wire/tape screen. The designs cover a wide application cross section.



Feature:

- High mechanical strength
- Wide cross section range suitable for all types of connectors
- Compact dimensions
- Reduced components
- Unlimited shelf life and allows immediate reenergizing

Design:

Typical contents of the kit:

- Stress control/void filling mastic
- Sealing mastic
- Stress control tubes for stress relief
- Semi-conductive and insulation dual wall tube (Black/Red)
- Earthing materials
- Thick wall heat shrinkable outer and inner tube with adhesive

Ordering Information:

Voltage rate U_0/U_m	Type	Cross section(mm ²)	Cable type(armoured)	Connector type
6.35/11 (12)kV	HKSJ-11/3x50-95	50-95	A	C/M
	HKSJ-11/3x120-150	120-150	A	C/M
	HKSJ-11/3x185-240	185-240	A	C/M
	HKSJ-11/3x300-400	300-400	A	C/M
8.7/15 (17.5)kV	HKSJ-15/3x50-95	50-95	A	C/M
	HKSJ-15/3x120-185	120-185	A	C/M
	HKSJ-15/3x240-300	240-300	A	C/M
12/20 (24)kV	HKSJ-20/3x50-95	50-95	A	C/M
	HKSJ-20/3x120-185	120-185	A	C/M
	HKSJ-20/3x240-300	240-300	A	C/M

Example: Kit part number : HKSJ-11/3x300 A-C

Where: 11-voltage rate; 3-number of cable cores; 300-cross section of cable conductor; A-the type of cable armour, SWA/AWA/STA; C- crimp type connectors.

No connectors supplied unless specified.

Earthing materials: Earth braid, roll spring, armour clamp and copper mesh. Support ring and joint case are optional.

Transition joints are available on request.

Performance of Hongshang Heat Shrinkable Medium Voltage cable accessories when tested according to IEC 60502.4

Test sequence	Item	Requirements acc. to IEC 60502.4			Performed test acc. to IEC 60502.4
		6.35/11 (12)kv	8.7/15 (17.5)kv	12/20 (24)kv	
1	AC withstand voltage test(in air and ambient temperature)	AC for 5 min. at 29kV. No breakdown, No flashover	AC for 5 min. at 39kV. No breakdown, No flashover	AC for 5 min. at 54kV. No breakdown, No flashover	PASS
2	Partial discharge	10pC max. at 11kV	10pC max. at 15kV	10pC max. at 20kV	PASS
3	Impulse withstand test	10 impulses of each polarity at 75kV	10 impulses of each polarity at 95kV	10 impulses of each polarity at 125kV	PASS
4	Heating cycles in air (Joints only)	30 cycles at 95°C-100°C and 16kV in air, No breakdown, No flashover	30 cycles at 95°C-100°C and 22kV in air, No breakdown, No flashover	30 cycles at 95°C-100°C and 30kV in air, No breakdown, No flashover	PASS
5	Heating cycles under water(Joints only)	30 cycles at 95°C-100°C and 16kV under water, No breakdown, No flashover	30 cycles at 95°C-100°C and 22kV under water, No breakdown, No flashover	30 cycles at 95°C-100°C and 30kV under water, No breakdown, No flashover	PASS
6	Heating cycles in air (Terminations only)	60 cycles at 95°C-100°C and 16kV in air, No breakdown, No flashover	60 cycles at 95°C-100°C and 22kV in air, No breakdown, No flashover	60 cycles at 95°C-100°C and 30kV in air, No breakdown, No flashover	PASS
7	Partial discharge at 95°C-100°C	10pC max. at 11kV	10pC max. at 15kV	10pC max. at 20kV	PASS
8	Thermal short-circuit (screen)	10pC max. at 11kV	10pC max. at 15kV	10pC max. at 20kV	PASS
9	Thermal short-circuit (conductor)	No visible deterioration at 3.0 kA, 1s	No visible deterioration at 3.0 kA, 1s	No visible deterioration at 3.0 kA, 1s	PASS
10	Dynamic short-circuit	No visible deterioration at 23.0 kA, 2s	No visible deterioration at 23.0 kA, 2s	No visible deterioration at 23.0 kA, 2s	PASS
11	Impulse withstand test	No visible deterioration at 81.0 kA, not less than 10 ms	No visible deterioration at 81.0 kA, not less than 10 ms	No visible deterioration at 81.0 kA, not less than 10 ms	PASS
12	AC withstand voltage test	AC for 15 min. at 16kV. No breakdown, No flashover	AC for 15 min. at 22kV. No breakdown, No flashover	AC for 15 min. at 30kV. No breakdown, No flashover	PASS
13	Salt fog (Outdoor terminations only)	1000 hours 8kV, No breakdown, No flashover	1000 hours 11kV, No breakdown, No flashover	1000 hours 15kV, No breakdown, No flashover	PASS
14	Humidity (Indoor terminations only)	300 hours 8kV, No breakdown, No flashover	300 hours 11kV, No breakdown, No flashover	300 hours 15kV, No breakdown, No flashover	PASS