

## RHSJ-(7-36)PX (Transition Straight Joint)

for Connecting Medium Voltage Cables up to 36kV

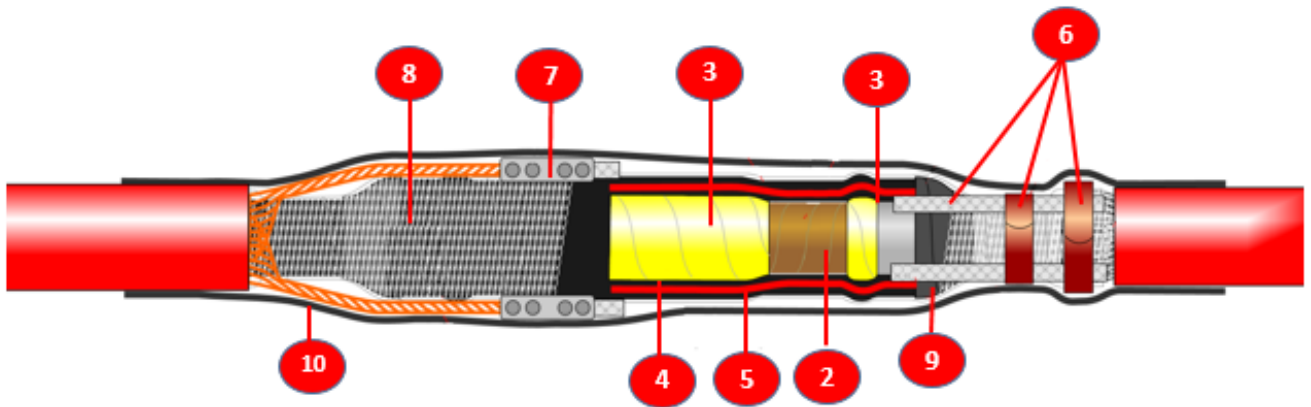
The RHSJ-PX range of kits are designed for jointing either single or three core paper insulated cables (PILC) to cables with polymeric (XLPE or EPR) insulation.

They can be used with both compression and mechanical type connectors.

### Kit Contents:

#### Typical kit for a single core armoured lead sheath cable – PILC/AWA

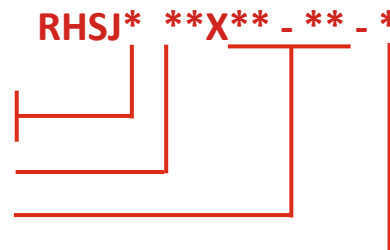
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|---|--|
| 1. Phase Conductor Connector (optional)   | 6. Armour/Screen Connection Braid & Constant Force Springs |
| 2. Heat Shrinkable Oil Barrier Tube   | 7. Black Sealing Mastic                                    |
| 3. Stress Control Mastic  | 8. Screen Mechanical Connector                             |
| 4. Heat Shrink Stress Control Tube  | 9. Tinned Copper Mesh                                      |
| 5. Heat Shrinkable Insulation Tubes (*type & number varies with joint – see note below) | 10. Heat Shrinkable Outer Protection Tube(s)               |
|   | 11. Full Installation Instructions & Cleaning Wipe         |



\*A 12kV Joint is depicted above which has a dual wall insulating/conductive tube above the stress control tube.  
For 24kV applications a further insulating tube is added between the stress control tube and dual wall tubing.  
For 36kV applications, two additional insulating tubes are added between the stress control and dual wall tubing.

### Product Code Information:

U – Unarmoured Cable  
A – Armoured Cable  
Rated Voltage  
Cable Cross Section Range  
Number of Cores



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## 7.2kV



Cross Section (mm <sup>2</sup> )	Cable Construction	Kit Number Single Core Joint	Kit Number Three Core Joint	*Diameter over insulation (mm)
35 - 95	No armour	RHSJU 7PX 35-95-1	RHSJU 7PX 35-95-3	13.5 - 17.6
	Armoured	RHSJA 7PX 35-95-1	RHSJA 7PX 35-95-3	
95 - 240	No armour	RHSJU 7PX 95-240-1	RHSJU 7PX 95-240-3	17.6 - 24.4
	Armoured	RHSJA 7PX 95-240-1	RHSJA 7PX 95-240-3	
185 - 400	No armour	RHSJU 7PX 185-400-1	RHSJU 7PX 185-400-3	22.1 - 29.7
	Armoured	RHSJA 7PX 185-400-1	RHSJA 7PX 185-400-3	
400 - 630	No armour	RHSJU 7PX 400-630-1	-	29.7 - 35.8
	Armoured	RHSJA 7PX 400-630-1	-	

## 12kV



Cross Section (mm <sup>2</sup> )	Cable Construction	Kit Number Single Core Joint	Kit Number Three Core Joint	*Diameter over insulation (mm)
35 - 95	No armour	RHSJU 12PX 35-95-1	RHSJU 12PX 35-95-3	14.6 - 20.5
	Armoured	RHSJA 12PX 35-95-1	RHSJA 12PX 35-95-3	
95 - 240	No armour	RHSJU 12PX 95-240-1	RHSJU 12PX 95-240-3	20.5 - 27.3
	Armoured	RHSJA 12PX 95-240-1	RHSJA 12PX 95-240-3	
185 - 400	No armour	RHSJU 12X 185-400-1	RHSJU 12PX 185-400-3	25.1 - 32.3
	Armoured	RHSJA 12PX 185-400-1	RHSJA 12PX 185-400-3	
400 - 630	No armour	RHSJU 12PX 400-630-1	-	32.3 - 38.6
	Armoured	RHSJA 12PX 400-630-1	-	
800 - 1000	No armour	RHSJU 12PX 800-1000-1	-	37.9 - 41.9
	Armoured	RHSJA 12PX 800-1000-1	-	

## 17.5kV



Cross Section (mm <sup>2</sup> )	Cable Construction	Kit Number Single Core Joint	Kit Number Three Core Joint	*Diameter over insulation (mm)
35 - 95	No armour	RHSJU 17PX 35-95-1	RHSJU 17PX 35-95-3	17.7 - 21.4
	Armoured	RHSJA 17PX 35-95-1	RHSJA 17PX 35-95-3	
95 - 240	No armour	RHSJU 17PX 95-240-1	RHSJU 17PX 95-240-3	21.4 - 28.2
	Armoured	RHSJA 17PX 95-240-1	RHSJA 17PX 95-240-3	
185 - 400	No armour	RHSJU 17PX 185-400-1	RHSJU 17PX 185-400-3	22.8 - 30.4
	Armoured	RHSJA 17PX 185-400-1	RHSJA 17PX 185-400-3	
400 - 630	No armour	RHSJU 17PX 400-630-1	-	35.5 - 39.6
	Armoured	RHSJA 17PX 400-630-1	-	
800 - 1000	No armour	RHSJU 17PX 800-1000-1	-	43.4 - 47.4
	Armoured	RHSJA 17PX 800-1000-1	-	

## 24kV



Cross Section (mm <sup>2</sup> )	Cable Construction	Kit Number Single Core Joint	Kit Number Three Core Joint	*Diameter over insulation (mm)
35 - 95	No armour	RHSJU 24PX 35-95-1	RHSJU 24PX 35-95-3	18.0 - 25.1
	Armoured	RHSJA 24PX 35-95-1	RHSJA 24PX 35-95-3	
95 - 240	No armour	RHSJU 24PX 95-240-1	RHSJU 24PX 95-240-3	25.1 - 34.2
	Armoured	RHSJA 24PX 95-240-1	RHSJA 24PX 95-240-3	
185 - 400	No armour	RHSJU 24PX 185-400-1	RHSJU 24PX 185-400-3	31.9 - 39.8
	Armoured	RHSJA 24PX 185-400-1	RHSJA 24PX 185-400-3	
300 - 630	No armour	RHSJU 24PX 300-630-1	-	36.9 - 45.8
	Armoured	RHSJA 24PX 300-630-1	-	
800 - 1000	No armour	RHSJU 24PX 800-1000-1	-	50.0 - 54.1
	Armoured	RHSJA 24PX 800-1000-1	-	

## 36kV



Cross Section (mm <sup>2</sup> )	Cable Construction	Kit Number Single Core Joint	Kit Number Three Core Joint	*Diameter over insulation (mm)
35 - 95	No armour	RHSJU 36PX 35-95-1	RHSJU 36PX 35-95-3	24.0 - 28.6
	Armoured	RHSJA 36PX 35-95-1	RHSJA 36PX 35-95-3	
95 - 240	No armour	RHSJU 36PX 95-240-1	RHSJU 36PX 95-240-3	28.6 - 35.4
	Armoured	RHSJA 36PX 95-240-1	RHSJA 36PX 95-240-3	
185 - 400	No armour	RHSJU 36PX 185-300-1	RHSJU 36PX 185-300-3	33.1 - 40.7
	Armoured	RHSJA 36PX 185-300-1	RHSJA 36PX 185-300-3	
300 - 630	No armour	RHSJU 36PX 300-630-1	-	37.6 - 46.8
	Armoured	RHSJA 36PX 300-630-1	-	
800 - 1000	No armour	RHSJU 36PX 800-1000-1	-	46.8 - 54.6
	Armoured	RHSJA 36PX 800-1000-1	-	

\*The diameter of insulation values are based on typical designs – due to manufacturing tolerances and conductor construction, the range of cables sizes suitable for each kit may change dependent upon actual cable to be terminated.

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