

## RHTJ-PX (Transition Trifurcating Joint)

for connecting 3 core paper to 3 x 1 core polymeric cables up to 36kV

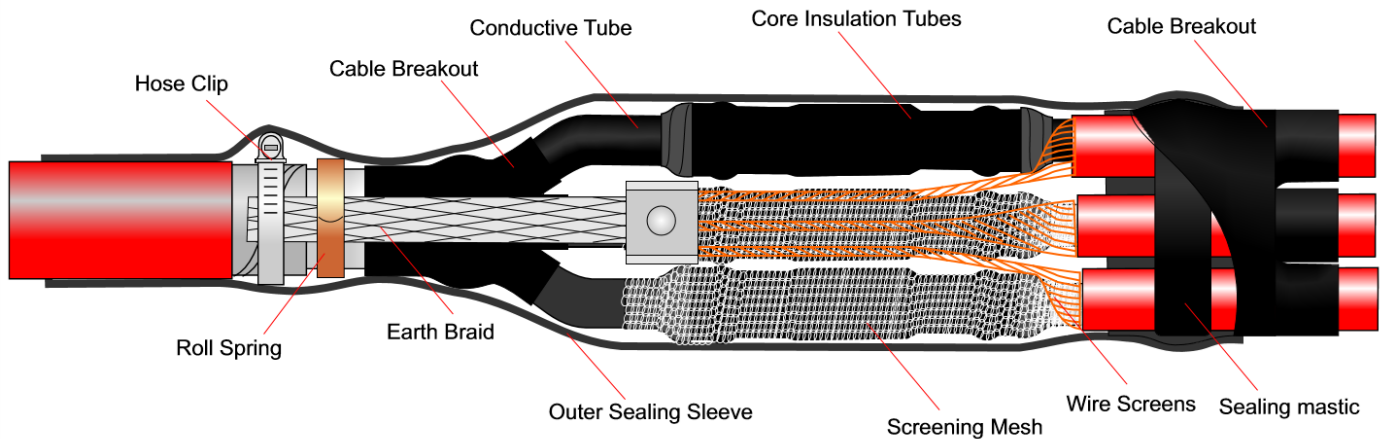
The RHTJ-PX range of kits are designed for joining three core paper insulated cables to three individual single core polymeric insulated cables. They can be used with both compression and mechanical type connectors.

For a 3 core cable with individual lead screens and armour (HSL type), the kit is supplied with additional materials for connecting each individual screen and armour to the wire screens of the polymeric cables –use Product Code **RHTJH-PX**.

### Kit Contents:

#### Typical Kits for armoured 3 core PILC cable to 3 x 1 core unarmoured XLPE cables

1. Conductor Connector (optional – can be supplied if specified)
2. Heat Shrinkable Stress Control Tube
3. Heat Shrinkable Insulation Tubes ( \*type and number varies with joint – see note below)
4. Stress Grading Mastic
5. Oil Barrier Tubing
6. Semi-Conductive Breakout & Tubing
7. Black Sealing Mastic
8. Armour Support Ring/ Worm Drive Clips
9. CF Spring for Lead Sheath Connection
10. Armour / Screen Tinned Copper Braid
11. Screen Wire Connectors
12. Tinned Copper Mesh
13. Heat Shrinkable 3 Core Breakout for Sealing Single Core End
14. Heat Shrinkable Outer Protection Tube(s)
15. Full Installation Instructions & Cleaning Wipes

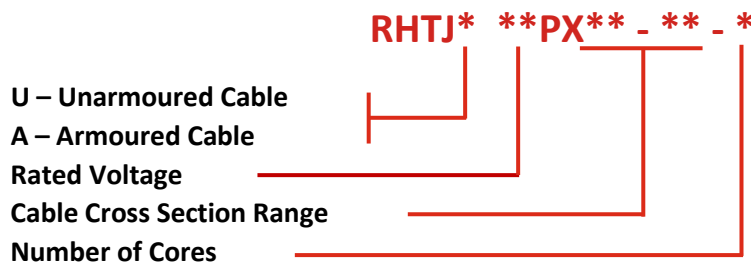


\*A 12kV Joint has a dual wall insulating/conductive tube above the stress control tube.

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:



DATA SHEET

RHTJ-PX 18/01

# Heat Shrink MV Cable Joint Kits



D A T A S H E E T

## 12kV



Cross Section (mm <sup>2</sup> )	3 core cable Construction	Kit Number Trifurcating Joint	*Diameter over insulation (mm)
35-95	No armour	RHTJU 12PX 35-95	14.6-18.6
	Armoured	RHTJA 12PX 35-95	
95-185	No armour	RHTJU 12PX 95-185	18.6-23.1
	Armoured	RHTJA 12PX 95-185	
185-300	No armour	RHTJU 12PX 185-300	23.1-27.6
	Armoured	RHTJA 12PX 185-300	
300-630	No armour	RHTJU 12PX 300-630	27.6-37.6
	Armoured	RHTJA 12PX 300-630	
630-1000	No armour	RHTJU 12PX 630-1000	37.6-45.6
	Armoured	RHTJA 12PX 630-1000	

## 17.5kV



Cross Section (mm <sup>2</sup> )	3 core cable Construction	Kit Number Trifurcating Joint	*Diameter over insulation (mm)
35-95	No armour	RHTJU 17PX 35-95	17.7-22.1
	Armoured	RHTJA 17PX 35-95	
95-185	No armour	RHTJU 17PX 95-185	22.1-26.5
	Armoured	RHTJA 17PX 95-185	
185-300	No armour	RHTJU 17PX 185-300	26.5-31.1
	Armoured	RHTJA 17PX 185-300	
300-630	No armour	RHTJU 17PX 300-630	31.1-41.0
	Armoured	RHTJA 17PX 300-630	
630-1000	No armour	RHTJU 17PX 630-1000	41-47.1
	Armoured	RHTJA 17PX 630-1000	

## 24kV



Cross Section (mm <sup>2</sup> )	3 core cable Construction	Kit Number Trifurcating Joint	*Diameter over insulation (mm)
35-95	Belted / H type	RHTJ 24PX 35-95	18-22.8
	HSL type	RHTJH 24PX 35-95	
95-185	Belted / H type	RHTJ 24PX 95-185	22.8-27.3
	HSL type	RHTJH 24PX 95-185	
185-300	Belted / H type	RHTJ 24PX 185-300	27.3-31.8
	HSL type	RHTJH 24PX 185-300	
300-630	Belted / H type	RHTJ 24PX 300-630	31.8-41.8
	HSL type	RHTJH 24PX 300-630	

## 36kV



Cross Section (mm <sup>2</sup> )	3 core cable Construction	Kit Number Trifurcating Joint	*Diameter over insulation (mm)
35-95	Belted / H type	RHTJ 36PX 35-95	24-27.8
	HSL type	RHTJH 36PX 35-95	
95-185	Belted / H type	RHTJ 36PX 95-185	27.8-32.3
	HSL type	RHTJH 36PX 95-185	
185-300	Belted / H type	RHTJ 36PX 185-300	32.3-36.8
	HSL type	RHTJH 36PX 185-300	
300-630	Belted / H type	RHTJ 36PX 300-630	36.8-46.8
	HSL type	RHTJH 36PX 300-630	

\*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 jointed.

REPL reserve the right to update the information contained in this document at any time without notice. It is the users responsibility to ensure it is suitable for the intended application. Any implied warranty relating to fitness for a particular purpose are explicitly excluded unless agreed in writing by REPL.  
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