

## RHTJ-X (Trifurcating Joint)

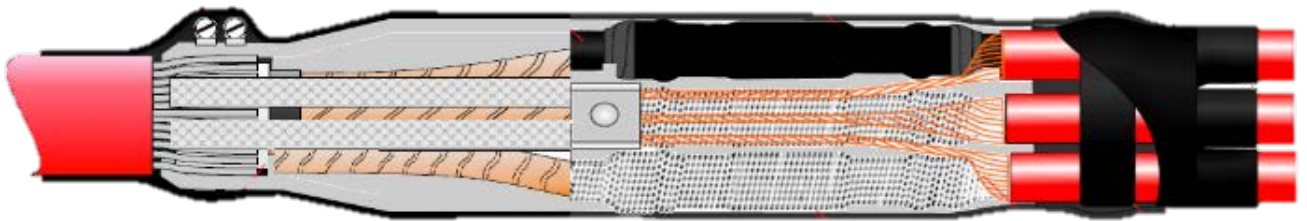
### For Connecting Polymeric Insulated Medium Voltage Cables up to 36kV

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

**Kit Contents:**

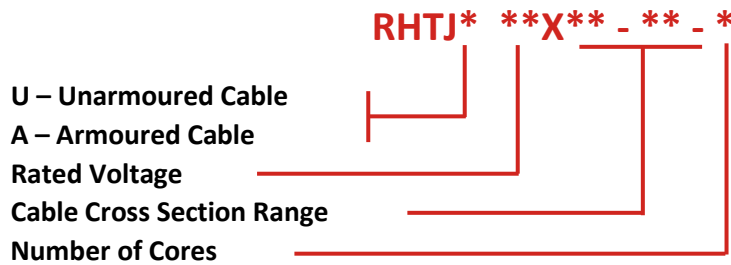
**Typical kit for armoured 3 core cable to 3 x 1 core cables**

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



*\*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:**



D A T A S H E E T

# Heatshrink MV Cable Joint Kits



DATA SHEET

## 12kV



Cross Section (mm <sup>2</sup> )	3 core cable Construction	Kit Number Trifurcating Joint	*Diameter over insulation (mm)
35-95	No armour	RHTJU 12X 35-95	14.6-18.6
	Armoured	RHTJA 12X 35-95	
95-185	No armour	RHTJU 12X 95-185	18.6-23.1
	Armoured	RHTJA 12X 95-185	
185-300	No armour	RHTJU 12X 185 -300	23.1-27.6
	Armoured	RHTJA 12X 185 -300	
300-630	No armour	RHTJU 12X 300 - 630	27.6-37.6
	Armoured	RHTJA 12X 300 - 630	
630-1000	No armour	RHTJU 12X 630 -1000	37.6-45.6
	Armoured	RHTJA 12X 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 17X 35-95	17.7-22.1
	Armoured	RHTJA 17X 35-95	
95-185	No armour	RHTJU 17X 95-185	22.1-26.5
	Armoured	RHTJA 17X 95-185	
185-300	No armour	RHTJU 17X 185 -300	26.5-31.1
	Armoured	RHTJA 17X 185 -300	
300-630	No armour	RHTJU 17X 300 -630	31.1-41.0
	Armoured	RHTJA 17X 300 - 630	
630-1000	No armour	RHTJU 17X 630 -1000	41-47.1
	Armoured	RHTJA 17X 630-1000	

## 24kV



Cross Section (mm <sup>2</sup> )	3 core cable Construction	Kit Number Trifurcating Joint	*Diameter over insulation (mm)
35-95	No armour	RHTJU 24X 35-95	18-22.8
	Armoured	RHTJA 24X 35-95	
95-185	No armour	RHTJU 24X 95-185	22.8-27.3
	Armoured	RHTJA 24X 95-185	
185-300	No armour	RHTJU 24X 185 -300	27.3-31.8
	Armoured	RHTJA 24X 185 -300	
300-630	No armour	RHTJU 24X 300 - 630	31.8-41.8
	Armoured	RHTJA 24X 300 - 630	
630-1000	No armour	RHTJU 24X 630 -1000	41.8-49.8
	Armoured	RHTJA 24X 630-1000	

## 36kV



Cross Section (mm <sup>2</sup> )	3 core cable Construction	Kit Number Trifurcating Joint	*Diameter over insulation (mm)
35-95	No armour	RHTJU 36X 35-95	24-27.8
	Armoured	RHTJA 36X 35-95	
95-185	No armour	RHTJU 36X 95-185	27.8-32.3
	Armoured	RHTJA 36X 95-185	
185-300	No armour	RHTJU 36X 185 -300	32.3-36.8
	Armoured	RHTJA 36X 185 -300	
300-630	No armour	RHTJU 36X 300 - 630	36.8-46.8
	Armoured	RHTJA 36X 300 - 630	
630-1000	No armour	RHTJU 36X 630 -1000	46.8-54.8
	Armoured	RHTJA 36X 630-1000	

\*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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