

RHTI/RHTO –P1/3

for Single & Three Core Paper Insulated Cables

REPL Heat Shrink Cable Termination Kits are extensively tested and used worldwide for reliable cable junctions in the voltage range from 7.2kv to 36kv. The kits are designed for either indoor or outdoor applications for cables with paper insulation and can be used with both compression or mechanical type lugs (which can be supplied in the kit if specified).

The termination kits combine the anti-tracking external tubing for excellent weathering and electrical properties together with an internal stress control tube for field control and oil barrier tubing to prevent leakage.

Where applicable, sheds are included for extending the creepage distance – kits can be tailored with extra sheds for areas with high pollution or for coastal installations.

For cables with armouring, a solderless earth kit is included to create a consistent connection from the cable lead screen and armour. All kits come with adequate mastic tapes for sealing and easy to follow installation instructions.

The termination kits can be used in conjunction with other REPL accessories such as insulating boot kits, gland plates and pole top mounting brackets and insulators.

Features:

- Unlimited Shelf Life
- Fully tested in accordance to HD629.2-S1, IEC 60055-1
- Kits designed to cover a wide range of cable sizes
- Other kits for different cable types available
- Optional earthing kit for armoured cables – suffix / e
- Suitable for use with mechanical lugs (available as an option)

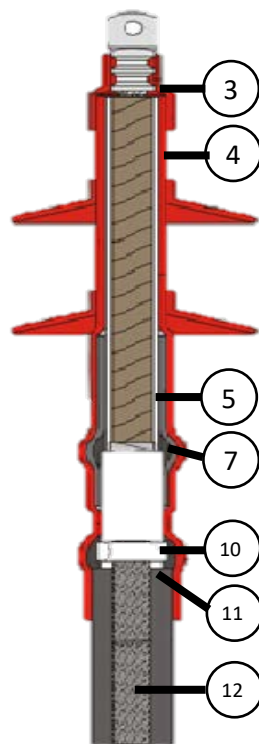
Kit Contents:

Typical kit for un-armoured cables:

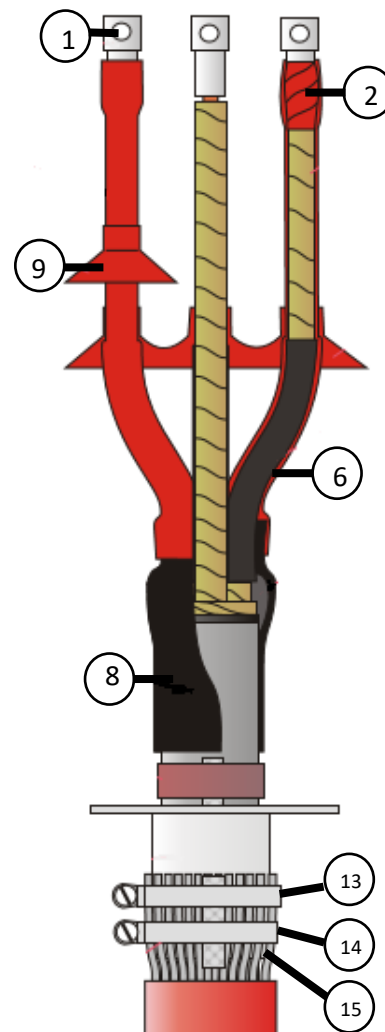
1. Cable Phase Lug
2. Red Sealing Mastic for Top Seal
3. Lug Seal
4. Anti-tracking Heat Shrink Tube
5. Clear Insulating Oil Barrier Tube
6. Stress Control Heat Shrink Tube
7. Stress Control / Void Filling Yellow Mastic
8. Conductive Breakout (3 Core Version)
9. Creepage Extension Sheds – (based on voltage/type)
10. Constant Force Spring
11. Sealant Mastic for Metallic Screen Connection
12. Tinned Copper Braid

Additional components for armour cables (specify - /e at end of part number)

13. Constant Force Spring for Copper Tape Screen
14. Constant Force Spring for Armour
15. Black Sealing Mastic for Armours



Termination for PILC Cable with Lead Sheath Only (No Armouring)

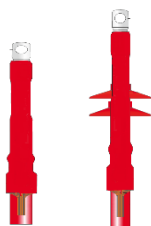


Termination for PILC Cable with Lead Sheath & Armouring

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.
©REPL 2018

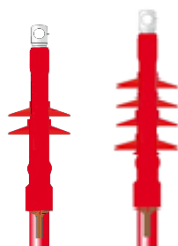
RHTI/RHTO – P1 Single Core Paper Insulated Cable Termination Selection Chart

12kV



Cross Section (mm ²)	Cable Construction	Kit Number Indoor	Kit Number Outdoor
25-95	No armour	RHTI 12P 35-95-1	RHTO 12P 35-95-1
	Armoured	RHTI 12P 35-95-1 /e	RHTO 12P 35-95-1 /e
95-185	No armour	RHTI 12P 95-185-1	RHTO 12P 95-185-1
	Armoured	RHTI 12P 95-185-1 /e	RHTO 12P 95-185-1 /e
185-300	No armour	RHTI 12P 185-300-1	RHTO 12P 185-300-1
	Armoured	RHTI 12P 185-300-1 /e	RHTO 12P 185-300-1 /e
300-630	No armour	RHTI 12P 300-630-1	RHTO 12P 300-630-1
	Armoured	RHTI 12P 300-630-1 /e	RHTO 12P 300-630-1 /e
630-1000	No armour	RHTI 12P 630-1000-1	RHTO 12P 630-1000-1
	Armoured	RHTI 12P 630-1000-1 /e	RHTO 12P 630-1000-1 /e

36kV

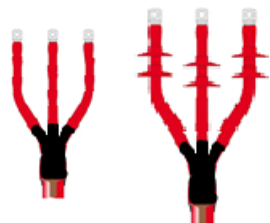


Cross Section (mm ²)	Cable Construction	Kit Number Indoor	Kit Number Outdoor
35-95	No armour	RHTI 36P 35-95-1	RHTO 36P 35-95-1
	Armoured	RHTI 36P 35-95-1 /e	RHTO 36P 35-95-1 /e
95-185	No armour	RHTI 36P 95-185-1	RHTO 36P 95-185-1
	Armoured	RHTI 36P 95-185-1 /e	RHTO 36P 95-185-1 /e
185-300	No armour	RHTI 36P 185-300-1	RHTO 36P 185-300-1
	Armoured	RHTI 36P 185-300-1 /e	RHTO 36P 185-300-1 /e
300-630	No armour	RHTI 36P 300-630-1	RHTO 36P 300-630-1
	Armoured	RHTI 36P 300-630-1 /e	RHTO 36P 300-630-1 /e
630-1000	No armour	RHTI 36P 630-1000-1	RHTO 36P 630-1000-1
	Armoured	RHTI 36P 630-1000-1 /e	RHTO 36P 630-1000-1 /e

(Kits are normally supplied as sets of three phases)

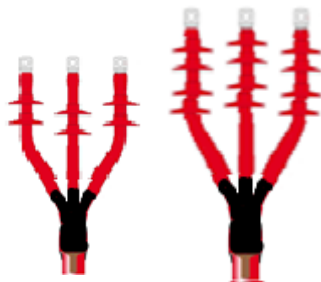
RHTI/RHTO – P3 Three Core Paper Insulated cable termination selection chart

12kV



Cross Section (mm ²)	Cable Construction	Kit Number Indoor	Kit Number Outdoor	Tail Length Indoor/ Outdoor (note 1) (mm)
35-95	No armour	RHTI 12P 35-95-3	RHTO 12P 35-95-3	600/650
	Armoured	RHTI 12P 35-95-3/e	RHTO 12P 35-95-3 /e	
95-185	No armour	RHTI 12P 95-185-3	RHTO 12P 95-185-3	600/650
	Armoured	RHTI 12P 95-185-3 /e	RHTO 12P 95-185-3 /e	
185-300	No armour	RHTI 12P 185-300-3	RHTO 12P 185-300-3	600/650
	Armoured	RHTI 12P 185-300-3/e	RHTO 12P 185-300-3 /e	

36kV



Cross Section (mm ²)	Cable Construction	Kit Number Indoor	Kit Number Outdoor	Tail Length Indoor/ Outdoor (note 1) (mm)
35-95	No armour	RHTI 36P 35-95-3	RHTO 36P 35-95-3	650/800
	Armoured	RHTI 36P 35-95-3 /e	RHTO 36P 35-95-3 /e	
95-185	No armour	RHTI 36P 95-185-3	RHTO 36P 95-185-3	650/800
	Armoured	RHTI 36P 95-185-3 /e	RHTO 36P 95-185-3 /e	
185-300	No armour	RHTI 36P 185-300-3	RHTO 36P 185-300-3	650/800
	Armoured	RHTI 36P 185-300-3 /e	RHTO 36P 185-300-3 /e	

Notes

1 – 3 core kits can be supplied with extended till lengths on request

2 – Other Voltages are available upon request

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.

©REPL 2018



REPL International Ltd.

Email: info@repl.com

Web: www.repl.com

DATA SHEET

RHTI/RHTO-P1/3 18/01