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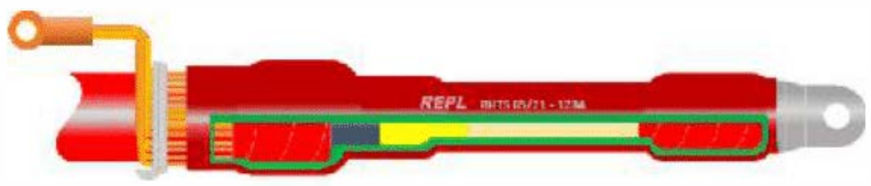
HEAT SHRINK TERMINATION FOR 1-CORE AND 3-CORE CABLES



Medium Voltage Heat Shrinkable Cable Termination



Single core kit for Outdoor 7kV unarmoured cable, supplied with mechanical lugs
Example code: **RHTO 7X 95-185-1/MC**



Single core kit for Indoor 11kV unarmoured cable using one piece tube, supplied with mechanical lugs
Example code: **RHTSI 12X 95-185-1/MC**



Three core kit for Indoor 11kV Armoured cable, supplied with copper compression lugs
Example code: **RHTI 12X 35-95-3/E/CC**

RHT-(7-42)

Cable Terminations for 1/3 core cables from 7kV to 42kV

REPL Heat Shrinkable Cable Termination Kits are extensively tested and used worldwide for reliable cable junctions in the voltage range from 6kV to 42kV.
The kits are designed for either indoor or outdoor applications and be used with polymeric or paper insulated cables using either 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 internal stress control for field control at the insulation screen cut achieved by either a separate stress control tube (RHT type , or using a special coating on the anti-track tube (single tube RHTS types).

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 screen and armour.

Technical Details for RHT/RHTS Heat Shrinkable Cable Termination System

Voltage Class:	7.2kV	12kV	17.5kV	24kV	36kV	42kV
Cross Section Range (mm^2)	25 - 630	25 - 1000	35 - 1000	35 - 1000	50 - 1000	50 - 1000
Cable Insulation Diameter (mm)	13 - 36	15 - 46	17 - 48	18 - 50	24 - 55	25 - 56
Voltage Rating U_0/U (U_m) kV	3.8/6.6 (7.2)	6.35/11 (12)	8.7/15 (17.5)	12.7/22 (24)	19/33 (36)	20.8/35 (42)
Basic Impulse Level (BIL) kV	60	95	95	125	194	200
Partial Discharge at $1.73U^0$ (pC)	<10	<10	<10	<10	<10	<10
AC Voltage Withstand , 1 min (kV)	>15	>25.5	>35	>51	>76	>83
AC Voltage Withstand , 5 min (kV)	>17	>28.5	>39	>57	>85.5	>93.5
DC Voltage Withstand , 15min (kV)	>23	>38	>52	>76	>114	>125

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Heat Shrinkable Termination for Polymeric MV Cables

RHT-(7-42)X-1

Cable Terminations for 1 core polymeric insulated cables from 7kV to 42kV

Features:

- Designed to comply with **CENELEC HD 629.S1, IEC 60502-4**
- Unlimited shelf life
- For use indoor or outdoor environments
- Resistant to chemicals, UV light and water ingress
- Suitable for use with mechanical or compression cable lugs (available as an option)

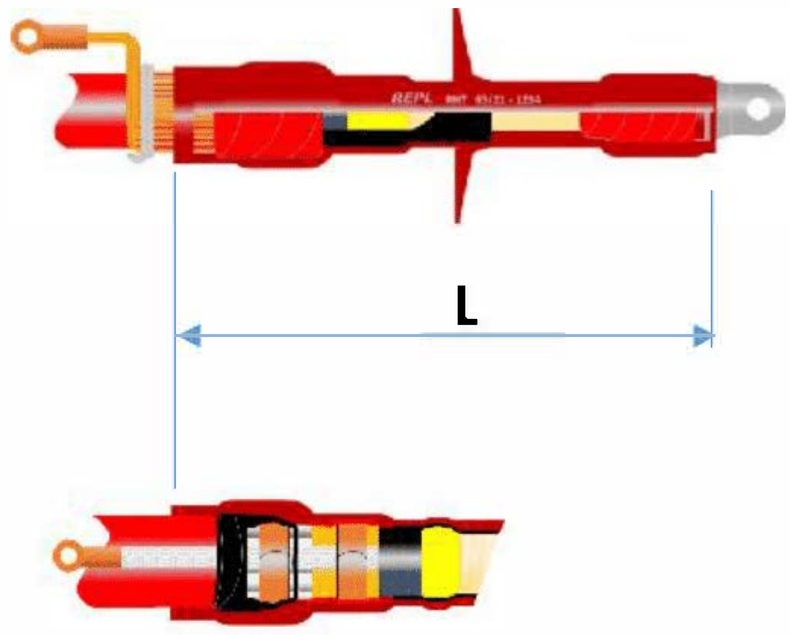
Kit Contents:

Standard Kits for un-armoured cables:

1. Cable phase lug (optional – supplied only if specified)
2. Sealing mastic for top seal / metallic screen
3. Anti-tracking Heat Shrinkable tube
4. Creepage Extension Sheds – based on voltage/type
5. Stress control Heat Shrinkable tube
6. Stress control / void filling mastic

Additional screen earthing components for armoured cables (specify - /e at end of termination kit part number)

7. Constant force spring for copper tape screen
8. Tinned copper braid
9. Constant force spring for armour
10. Black sealing mastic for armours



Single Core Polymeric Termination Kits		INDOOR		OUTDOOR	
Conductor Cross Section (mm^2)	Cable Construction	Product Code	Tail Length L mm	Product Code	Tail Length L mm
Cable Termination for Polymeric Insulated cables rated at Um= 7.2kV					
7.2 kV 16 - 50	No armour	RTI-7-16/50-XI	450	RTO-7-16/50-XI	600
	Armoured				
70 - 120	No armour	RTI-7-70/120-XI	450	RTO-7-70/120-XI	600
	Armoured				
150 - 300	No armour	RTI-7-150/300-XI	450	RTO-7-150/300-XI	600
	Armoured				
400 - 500	No armour	RTI-7-400/500-XI	450	RTO-7-400/500-XI	600
	Armoured				
Cable Termination for Polymeric Insulated cables rated at Um= 12kV					
12 kV 16 - 50	No armour	RTI-12-16/50-XI	450	RTO-12-16/50-XI	600
	Armoured				
70 - 120	No armour	RTI-12-70/120-XI	450	RTO-12-70/120-XI	600
	Armoured				
150 - 300	No armour	RTI-12-150/300-XI	450	RTO-12-150/300-XI	600
	Armoured				
400 - 500	No armour	RTI-12-400/500-XI	450	RTO-12-400/500-XI	600
	Armoured				
630 - 1000	No armour	RTI-12-630/1000-XI	450	RTO-12-630/1000-XI	600
	Armoured				

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Heat Shrinkable Termination for Polymeric MV Cables

RHT-(7-42)X-1

	Single Core Polymeric Termination Kits		INDOOR		OUTDOOR	
	Conductor Cross Section (mm^2)	Cable Construction	Product Code	Tail Length L mm	Product Code	Tail Length L mm
17.5 kV	**Cable Termination for Polymeric Insulated cables rated at Um= 17.5kV**					
	16 - 25	No armour / Armoured	RTI-17-16/25-X1	450	RTO-17-16-25-X1	600
	35 - 70	No armour / Armoured	RTI-17-35/70-X1	450	RTO-17-35-70-X1	600
	95 - 240	No armour / Armoured	RTI-17-95/240-X1	450	RTO-17-95-240-X1	600
	300 - 400	No armour / Armoured	RTI-17-300/400-X1	450	RTO-17-300-400-X1	600
24 kV	**Cable Termination for Polymeric Insulated cables rated at Um= 24kV**					
	16 - 50	No armour / Armoured	RTI-24-16/50-XI	500	RTO-24-16/50-XI	550
	70 - 120	No armour / Armoured	RTI-24-70/120-XI	500	RTO-24-70/120-XI	550
	150 - 300	No armour / Armoured	RTI-24-150/300-XI	500	RTO-24-150/300-XI	550
	400 - 500	No armour / Armoured	RTI-24-400/500-XI	500	RTO-24-400/500-XI	550
	630 - 1000	No armour / Armoured	RTI-24-630/1000-XI	500	RTO-24-630/1000-XI	550
36 kV	**Cable Termination for Polymeric Insulated cables rated at Um= 36kV**					
	50-95	No armour / Armoured	RHTI-36-50/95-X1	650	RHTO-36-50/95-X1	750
	120-185	No armour / Armoured	RHTI-36-120/185-X1	□50	RHT□-36-120/185-X1	□50
	240-500	No armour / Armoured	RHTI-36-240/500-X1	□50	RHT□-36-240-500-X1	□50
	630-1000	No armour / Armoured	RHTI-36-630/1000-X1	□50	RHT□-36-630/1000-X1	□50
42 kV	**Cable Termination for Polymeric Insulated cables rated at Um= 42kV**					
	16 - 50	No armour / Armoured	RTI-42-16/50-XI	700	RTO-42-16/50-XI	800
	70 - 120	No armour / Armoured	RTI-42-70/120-XI	700	RTO-42-70/120-XI	800
	150 - 300	No armour / Armoured	RTI-42-150/300-XI	700	RTO-42-150/300-XI	800
	400 - 500	No armour / Armoured	RTI-42-400/500-XI	700	RTO-42-400/500-XI	800
	630 - 1000	No armour / Armoured	RTI-42-630/1000-XI	700	RTO-42-630/1000-XI	800

Kits are normally supplied in sets of Three phases

On Outdoor Version, the Specific creepage is > 31mm/kV = Class IV Heavy Pollution

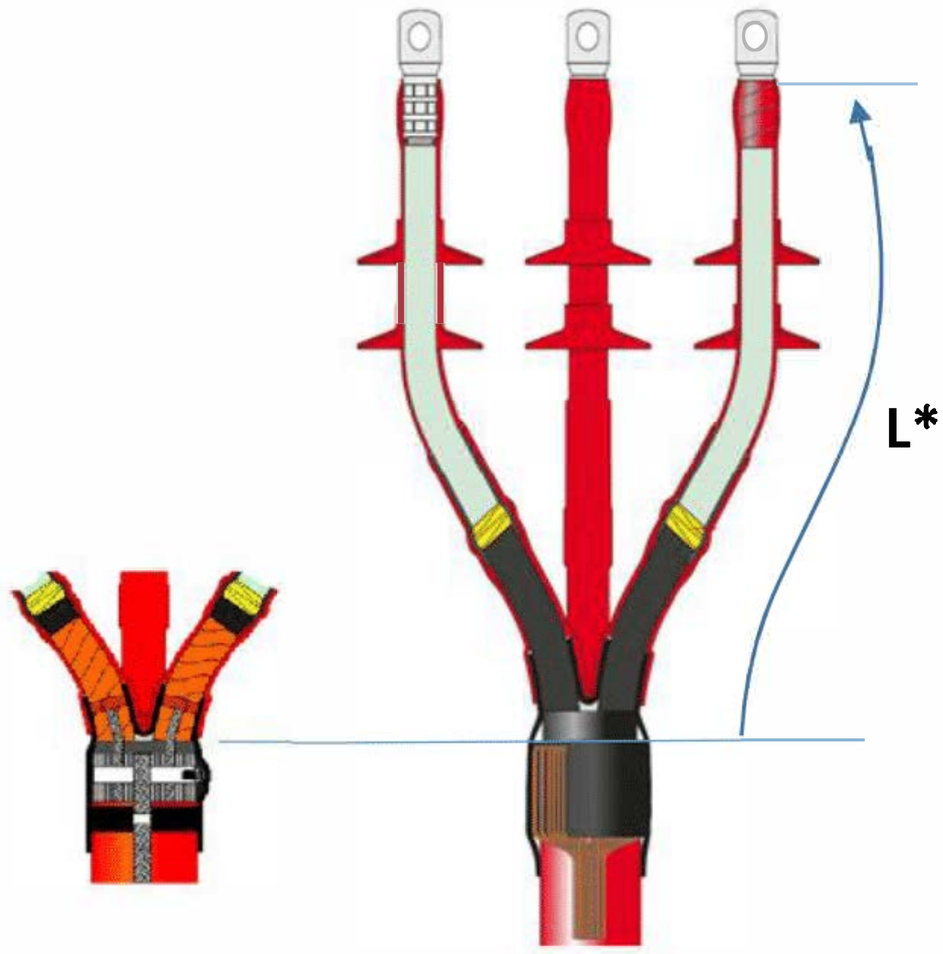
If required, a longer tail length and/or additional creepage sheds can be offered

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Heat Shrinkable Termination for Polymeric MV Cables

RHT-(7-42)X-3

Cable Terminations for 3 core polymeric insulated cables from 7kV to 42kV



Features:

- Designed to comply with **CENELEC HD 629.S1, IEC 60502-4**
- Unlimited shelf life
- For use indoor or outdoor environments
- Resistant to chemicals, UV light and water ingress
- Suitable for use with mechanical or compression cable lugs (available as an option)

Kit Contents:

Standard Kits for un-armoured cables:

1. Cable phase lug (optional – supplied only if specified)
2. Sealing mastic for top seal / metallic screen
3. Anti-tracking Heat Shrinkable tube
4. Creepage Extension Sheds – based on voltage /type
5. Stress Control Heat Shrinkable tube
6. Stress control / void filling mastic
7. Heat Shrinkable 3 core breakout

Additional screen earthing components for armoured cables (specify - /e at end of termination kit part number)

8. Constant force spring for copper tape screen
9. Tinned copper braid
10. Constant force spring for armour
11. Black sealing mastic for armours

	Three Core Polymeric Termination Kits		INDOOR		OUTDOOR	
	Conductor Cross Section (mm^2)	Cable Construction	Product Code	Tail Length L mm	Product Code	Tail Length L mm
7.2 kV	Cable Termination for Polymeric Insulated cables rated at Um= 7.2kV					
	16 - 50	No armour		600		650
		Armoured	RTI-7-16/50-X3		RTO-7-16/50-X3	
	70 - 120	No armour		600		650
		Armoured	RTI-7-70/120-X3		RTO-7-70/120-X3	
	150 - 240	No armour		600		650
		Armoured	RTI-7-150/240-X3		RTO-7-150/240-X3	
	300 - 500	No armour		600		650
		Armoured	RTI-7-300/500-X3		RTO-7-300/500-X3	
12 kV	Cable Termination for Polymeric Insulated cables rated at Um= 12kV					
	16 - 50	No armour		600		650
		Armoured	RTI-12-16/50-X3		RTO-12-16/50-X3	
	70 - 120	No armour		600		650
		Armoured	RTI-12-70/120-X3		RTO-12-70/120-X3	
	150 - 240	No armour		600		650
		Armoured	RTI-12-150/240-X3		RTO-12-150/240-X3	
	300 - 500	No armour		600		650
		Armoured	RTI-12-300/500-X3		RTO-12-300/500-X3	
	630 - 1000	No armour		600		650
		Armoured	RTI-12-400/500-X3		RTO-12-400/500-X3	

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Heat Shrinkable Termination for Polymeric MV Cables

RHT-(7-42)X-3

	Three Core Polymeric Termination Kits		INDOOR		OUTDOOR	
	Conductor Cross Section (mm^2)	Cable Construction	Kit Number	Tail Length L mm	Kit Number	Tail Length L mm
Cable Termination for Polymeric Insulated cables rated at Um= 17.5kV						
17.5 kV	16 – 25	No armour		600		650
		Armoured	RTI-17-16/25-X3		RTO-17-16/25-X3	
	35 – 70	No armour		600		650
		Armoured	RTI-17-35/70-X3		RTO-17-35/70-X3	
	95 – 240	No armour		600		650
		Armoured	RTI-17-95/240-X3		RTO-17-95/240-X3	
	300 – 400	No armour		600		650
		Armoured	RTI-17-300/400-X3		RTO-17-300/400-X3	
Cable Termination for Polymeric Insulated cables rated at Um= 24kV						
24 kV	16 - 50	No armour		650		850
		Armoured	RTI-24-16/50-X3		RTO-24-16/50-X3	
	70 - 120	No armour		650		850
		Armoured	RTI-24-70/120-X3		RTO-24-70/120-X3	
	150 - 240	No armour		650		850
		Armoured	RTI-24-150/240-X3		RTO-24-150/240-X3	
	300 - 500	No armour		650		850
		Armoured	RTI-24-300/500-X3		RTO-24-300/500-X3	
	630 - 1000	No armour		650		850
		Armoured	RTI-24-630/1000-X3		RTO-24-630/1000-X3	
Cable Termination for Polymeric Insulated cables rated at Um= 36kV						
36 kV	50-95	No armour		650		1000
		Armoured	RHTI-36-50/95-X3		RHTO-36-50/95-X3	
	120-185	No armour		650		1000
		Armoured	RHTI-36-120/185-X3		RHTO-36-120/185-X3	
	240-500	No armour		650		1000
		Armoured	RHTI-36-240/500-X3		RHTO-36-240/500-X3	
Cable Termination for Polymeric Insulated cables rated at Um= 42kV						
42 kV	16 - 50	No armour		700		1200
		Armoured	RTI-42-16/50-X3		RTO-42-16/50-X3	
	70 - 120	No armour		700		1200
		Armoured	RTI-42-70/120-X3		RTO-42-70/120-X3	
	150 - 240	No armour		700		1200
		Armoured	RTI-42-150/240-X3		RTO-42-150/240-X3	
	300 - 500	No armour		700		1200
		Armoured	RTI-42-300/500-X3		RTO-42-300/500-X3	
	630 - 1000	No armour		700		1200
		Armoured	RTI-42-630/1000-X3		RTO-42-630/1000-X3	

**On Outdoor Version, the Specific creepage is > 31mm/kV = Class IV Heavy Pollution If required, a longer tail length and/or additional creepage sheds can be offered*

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