

# Heat Shrinkable Cable Accessories

$U_0/U (U_m)$  0.6/1.0 (1.2)kV



## Heat Shrinkable LV Accessories

Low Voltage Heat Shrinkable Joints & Terminations

### Heat Shrink Technology



Heat shrinkable joints and terminations for cables with XLPE, PVC, EPR, and MI/MIND Paper insulation; NYY, NAYY, CYKY, NYCY, NAYCWY, NYCWY, SZAMtKaM, SZRMtKVM-J  $U_0/U (U_m)$  (kV) 0.6/1 (1.2kV)

Heat shrinkable technology is one of the world's most simple and cost effective jointing system. When connecting 1kV power cables, Hongshang heat shrink tubing will insulate a variety of cables with XLPE, PVC, and MI/MIND paper insulation. All Hongshang kits are designed to be compact and range taking resulting in lower cost and reduced stock quantities. Hongshang's advanced polymer technology ensures high performing standards of both tubing and the adhesive. Performance and long term reliability are guaranteed, with excellent weathering resistance.



Hongshang kits have passed all tests according to EN50393 (CENELEC 623 - S1:1996). Additional impulse voltage test were performed further to regular testing. All samples passed additional testing as well.

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## Technical performance



The outer protective tubing covering the whole joint, is a heavy walled and adhesive lined tube which provides sufficient mechanical protection and a water and environmental seal on the cable oversheath. Cables with concentric neutral or SWA/AWA armor are sealed with heavy wall outer protective tubing to provide an even tougher mechanical protection.

Various kit designs can accommodate several commonly used cable types with different connectors, crimp or mechanical. Heavy wall adhesive lined tubing protect connectors. Perfect environmental and electrical insulation.



Installation of HLVJ-4-A-M-D

Kits come complete with metal components. Upon request connectors and lugs are also provided in the kit content.

# Heat Shrinkable LV Accessories

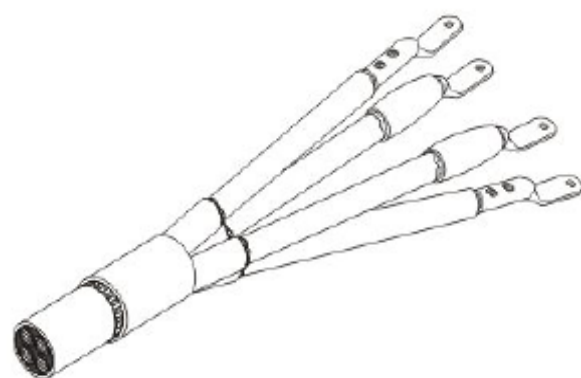
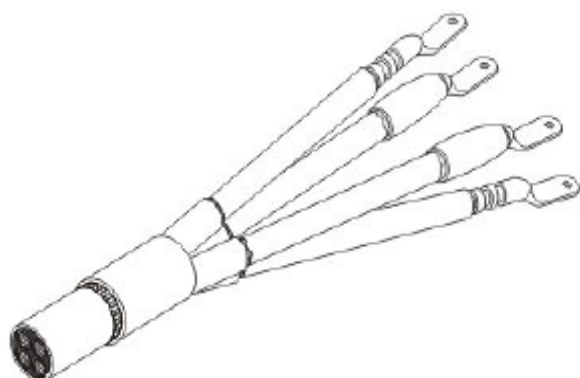
Low Voltage Heat Shrinkable Joints & Terminations

## Performance of Hongshang heat shrinkable cable accessories when tested according to EN 50393 (VDE 0278)

Test sequence	Item	Requirements acc to EN50393	Results	Remarks EN50393
1	Impulse withstand voltage test	No breakdown shall occur at 10 positive and 10 negative impulses of 20kV	No breakdown occur at 10 positive and 10 negative impulses of 20kV	PASS
2	AC withstand voltage test (in air and ambient temperature)	4kV, 1min No breakdown	4kV, 1min No breakdown	PASS
3	Insulation resistance (in air and ambient temperature)	$\geq 50M\Omega$	$\geq 50M\Omega$	PASS
4	Impact test (in air and ambient temperature)	4kg wedge dropped from a height of 1000mm	No functional Damage	PASS
5	AC withstand voltage test immersed in the water of with a height of 1000mm	4kV, 1min No breakdown	4kV, 1min No breakdown	PASS
6	Heating cycle test (immersed in the water of with a height of 1000mm)	Heat the conductor to 95°C-100°C, 60times in the water, No breakdown	Heat the conductor to 95°C-100°C, 60times in the water, No breakdown	PASS
7	AC withstand voltage test (immersed in the water of with a height of 1000mm)	4kV, 1min No breakdown	4kV, 1min No breakdown	PASS
8	Insulation resistance (in air and ambient temperature)	$\geq 50M\Omega$	$\geq 50M\Omega$	PASS

# Heat Shrinkable LV Accessories

## Low Voltage Heat Shrinkable Terminations



### Application range:

Termination kits for polymeric insulated cables, with mechanical/bolted lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>n</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	1.5-10	A	UA	M
	HLVT/4/i or HLVT/4/o	6-25	B	UA	M
	HLVT/4/i or HLVT/4/o	16-50	C	UA	M
	HLVT/4/i or HLVT/4/o	50-120	D	UA	M
	HLVT/4/i or HLVT/4/o	150-300	E	UA	M

Termination kits for polymeric insulated cables, with crimp lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>n</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	1.5-10	A	UA	C
	HLVT/4/i or HLVT/4/o	6-25	B	UA	C
	HLVT/4/i or HLVT/4/o	16-50	C	UA	C
	HLVT/4/i or HLVT/4/o	70-120	D	UA	C
	HLVT/4/i or HLVT/4/o	120-240	E	UA	C

\* i=indoor/o=outdoor

Example: Kit part number: HLVT 4A-i-UA-M

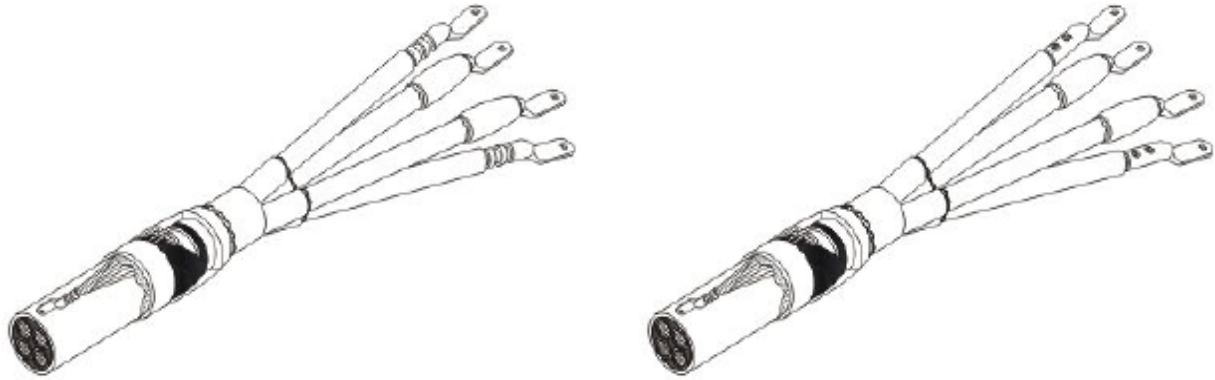
Where: 4-number of cable cores; A-size ref.; i-indoor; UA-unarmoured cable; M-mechanical lugs.

No lugs supplied unless specified.



# Heat Shrinkable LV Accessories

## Low Voltage Heat Shrinkable Terminations



### Application range:

Termination kits for polymeric insulated cables with concentric neutral, with mechanical/bolted lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>n</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	10-35	A	CN	M
	HLVT/4/i or HLVT/4/o	25-70	B	CN	M
	HLVT/4/i or HLVT/4/o	70-120	C	CN	M
	HLVT/4/i or HLVT/4/o	150-240	D	CN	M

Termination kits for polymeric insulated cables with concentric neutral, with crimp lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>n</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	10-16	A	CN	C
	HLVT/4/i or HLVT/4/o	25-50	B	CN	C
	HLVT/4/i or HLVT/4/o	70-150	C	CN	C
	HLVT/4/i or HLVT/4/o	185-300	D	CN	C

\* i=indoor/o=outdoor

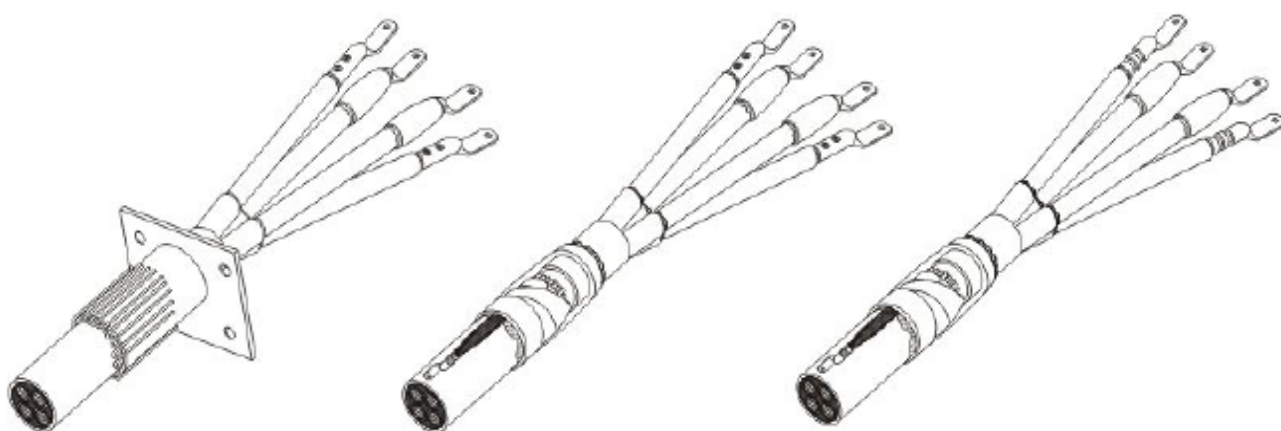
Example: Kit part number: HLVT 4A-i-CN-M

Where: 4-number of cable cores; A-size ref.; i-indoor; CN-concentric neutral cable; M-mechanical lugs. 1

No lugs supplied unless specified.

# Heat Shrinkable LV Accessories

## Low Voltage Heat Shrinkable Terminations



### Application range:

Termination kits for polymeric insulated cables with armor, with mechanical/bolted lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>m</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	10-35	A	A	M
	HLVT/4/i or HLVT/4/o	25-70	B	A	M
	HLVT/4/i or HLVT/4/o	70-120	C	A	M
	HLVT/4/i or HLVT/4/o	150-240	D	A	M

Termination kits for polymeric insulated cables with armor, with crimp lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>m</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	1.5-4	A	A	C
	HLVT/4/i or HLVT/4/o	6-16	B	A	C
	HLVT/4/i or HLVT/4/o	25-50	C	A	C
	HLVT/4/i or HLVT/4/o	70-150	D	A	C
	HLVT/4/i or HLVT/4/o	185-300	E	A	C

\* i = indoor/o = outdoor

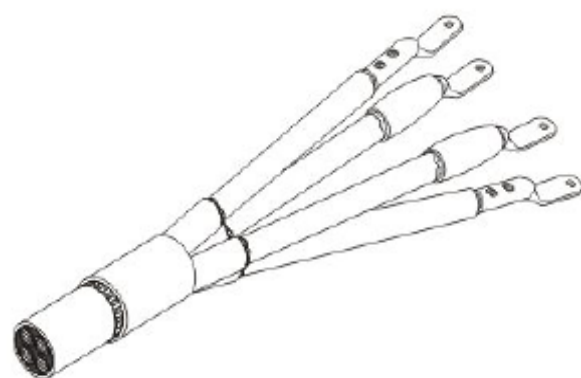
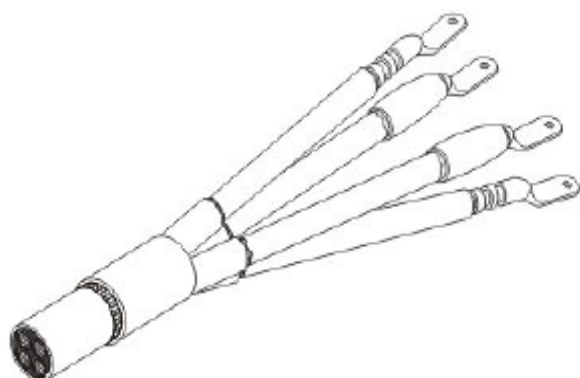
Example: Kit part number: HLVT 4A-i-A-M

Where: 4-number of cable cores; A-size ref.; i-indoor; A-armoured cable; M-mechanical lugs.

No lugs supplied unless specified.

# Heat Shrinkable LV Accessories

## Low Voltage Heat Shrinkable Terminations



### Application range:

Termination kits for polymeric insulated cables, with mechanical/bolted lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>n</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	1.5-10	A	UA	M
	HLVT/4/i or HLVT/4/o	6-25	B	UA	M
	HLVT/4/i or HLVT/4/o	16-50	C	UA	M
	HLVT/4/i or HLVT/4/o	50-120	D	UA	M
	HLVT/4/i or HLVT/4/o	150-300	E	UA	M

Termination kits for polymeric insulated cables, with crimp lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>n</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	1.5-10	A	UA	C
	HLVT/4/i or HLVT/4/o	6-25	B	UA	C
	HLVT/4/i or HLVT/4/o	16-50	C	UA	C
	HLVT/4/i or HLVT/4/o	70-120	D	UA	C
	HLVT/4/i or HLVT/4/o	120-240	E	UA	C

\* i=indoor/o=outdoor

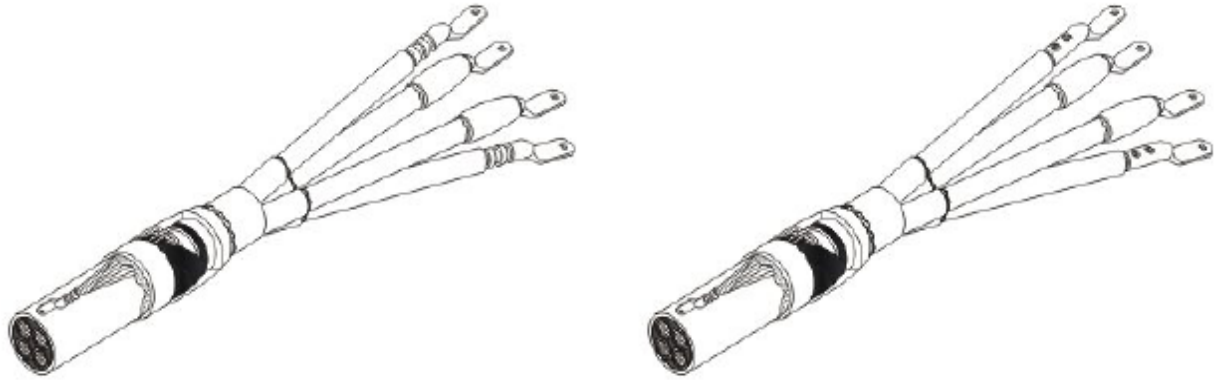
Example: Kit part number: HLVT 4A-i-UA-M

Where: 4-number of cable cores; A-size ref.; i-indoor; UA-unarmoured cable; M-mechanical lugs.

No lugs supplied unless specified.

# Heat Shrinkable LV Accessories

## Low Voltage Heat Shrinkable Terminations



### Application range:

Termination kits for polymeric insulated cables with concentric neutral, with mechanical/bolted lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>n</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	10-35	A	CN	M
	HLVT/4/i or HLVT/4/o	25-70	B	CN	M
	HLVT/4/i or HLVT/4/o	70-120	C	CN	M
	HLVT/4/i or HLVT/4/o	150-240	D	CN	M

Termination kits for polymeric insulated cables with concentric neutral, with crimp lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>n</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	10-16	A	CN	C
	HLVT/4/i or HLVT/4/o	25-50	B	CN	C
	HLVT/4/i or HLVT/4/o	70-150	C	CN	C
	HLVT/4/i or HLVT/4/o	185-300	D	CN	C

\* i=indoor/o=outdoor

Example: Kit part number: HLVT 4A-i-CN-M

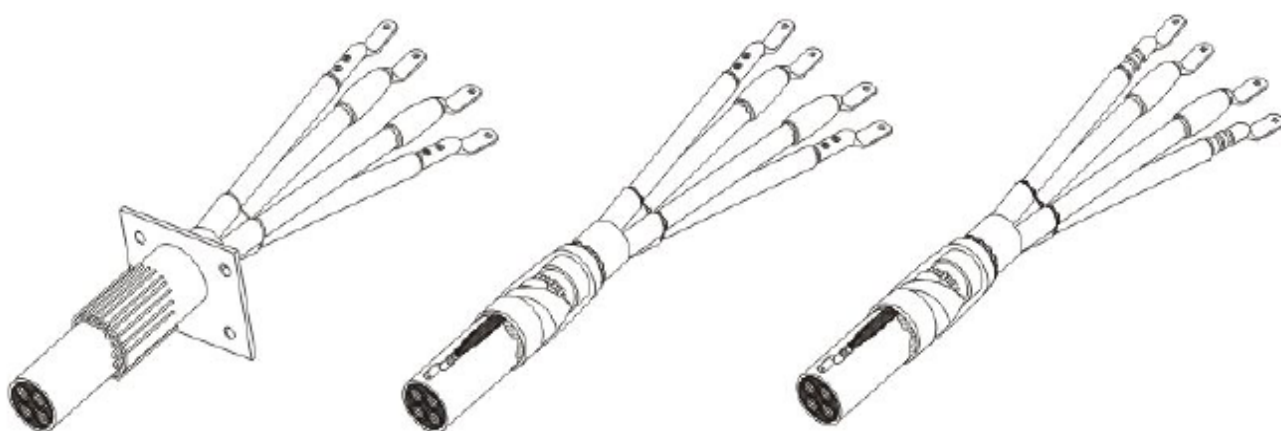
Where: 4-number of cable cores; A-size ref.; i-indoor; CN-concentric neutral cable; M-mechanical lugs. 1

No lugs supplied unless specified.



# Heat Shrinkable LV Accessories

## Low Voltage Heat Shrinkable Terminations



### Application range:

Termination kits for polymeric insulated cables with armor, with mechanical/bolted lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>m</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	10-35	A	A	M
	HLVT/4/i or HLVT/4/o	25-70	B	A	M
	HLVT/4/i or HLVT/4/o	70-120	C	A	M
	HLVT/4/i or HLVT/4/o	150-240	D	A	M

Termination kits for polymeric insulated cables with armor, with crimp lugs.

Voltage	Type	Cable cross section mm <sup>2</sup>	Size Ref.	Cable type	Lug type
U <sub>0</sub> /U(U <sub>m</sub> ) 0.6/1.0 (1.2) kV	HLVT/4/i or HLVT/4/o	1.5-4	A	A	C
	HLVT/4/i or HLVT/4/o	6-16	B	A	C
	HLVT/4/i or HLVT/4/o	25-50	C	A	C
	HLVT/4/i or HLVT/4/o	70-150	D	A	C
	HLVT/4/i or HLVT/4/o	185-300	E	A	C

\* i = indoor/o = outdoor

Example: Kit part number: HLVT 4A-i-A-M

Where: 4-number of cable cores; A-size ref.; i-indoor; A-armoured cable; M-mechanical lugs.

No lugs supplied unless specified.