

Cold Shrink Terminations & Joints 1-36kV



36kV joints



36kV outdoor



1kV(4 cores)



10kV(3cores)



20kV indoor



15kV indoor



8.7/15kV Silicone Rubber
Cold Shrinkable
Indoor Termination Kit



8.7/15kV Silicone Rubber
Cold Shrinkable
Outdoor Termination Kit



Cold Shrinkable Indoor Termination Materials Sketch

Cold Shrinkable Tube 3pcs
 Box Ruler 1 pc
 Cold Shrinkable Breakout 1 pc
 Sweat Paper 1 bag
 Cold Shrinkable Termination kit 3 pcs
 Glove 1 pc
 Sealing Tube 3 pcs
 Wound Cover 2 pcs
 Filling Glue Sealing Glue 1 bag
 Silicone Grease 1 bag
 Materials Sketch 1 pc
 Cleaning Paper 3 bags
 Installation Instruction 1 set
 Erasing Paper 1 bag
 Qualified Certificate 1 set
 Sand Paper 4 pcs
 Semi-conductor Belt 1 box
 Earthing Wire 2 pcs
 J-20 Self-adhibit Belt 1 box
 Bundling Wire 1 reel
 Unvarying Spring 4pcs(1 big 3small)
 PVC Belt 1 reel
 Phase Strip 1 bag (red,yellow,green).



Cold Shrinkable Outdoor Termination Materials Sketch

Cold Shrinkable Tube 3pcs
 Box Ruler 1 pc
 Cold Shrinkable Breakout 1 pc
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 Cold Shrinkable Termination kit 3 pcs
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Description

Cold shrink cable accessories are manufactured with advanced liquid silicon rubber, which has high resilience and strength, good electrical insulation, is UV stable and adverse to water. The cold shrink cable terminations & joints applications from 1 to 36kV(1kV, 12kV, 15kV, 20kV, 36kV). The simple installation of cold shrink cables accessories can help you save time and physical force. It improves your work efficiency, make the cables connect safely and reliably, assure your every connection correctly sealed and insulated for long protection. So our cold shrink MV terminations & joints are widely applied in power plant (nuclear), wind farm, substations, city subway etc.

Cold Shrink Termination Kits (for XLPE, screened armored cables)

Voltage	Cores	Description	Cable size	Model number
18/30kV (36)	1	Indoor	25-50mm ²	18/30kVWLN-1-1
			70-150mm ²	18/30kVWLN-1-2
			185-400mm ²	18/30kVWLN-1-3
			500-630mm ²	18/30kVWLN-1-4
	1	Outdoor	25-50mm ²	18/30kVWLW-1-1

			70-150mm ²	18/30kVWLW-1-2
			185-400mm ²	18/30kVWLW-1-3
			500-630mm ²	18/30kVWLW-1-4
12/20kV (24)	1	Indoor	50-120mm ²	12/20kVWLN-1-1
			150-300mm ²	12/20kVWLN-1-2
			400-500mm ²	12/20kVWLN-1-3
			630mm ²	12/20kVWLN-1-4
	1	Outdoor	50-120mm ²	12/20kVWLW-1-1
			150-300mm ²	12/20kVWLW-1-2
			400-500mm ²	12/20kVWLW-1-3
			630mm ²	12/20kVWLW-1-4
8.7/15kV(17.5)	1	Indoor	25-50mm ²	8.7/15kVWLN-1-1
			70-120mm ²	8.7/15kVWLN-1-2
			150-240mm ²	8.7/15kVWLN-1-3
			300-400mm ²	8.7/15kVWLN-1-4
	1	Outdoor	25-50mm ²	8.7/15kVWLW-1-1
			70-120mm ²	8.7/15kVWLW-1-2
			150-240mm ²	8.7/15kVWLW-1-3
			300-400mm ²	8.7/15kVWLW-1-4
6.35/11kV(12)	1	Indoor	25-50mm ²	6.35/11kVWLN-1-1
			70-120mm ²	6.35/11kVWLN-1-2
			150-240mm ²	6.35/11kVWLN-1-3
			300-400mm ²	6.35/11kVWLN-1-4
	1	Outdoor	25-50mm ²	6.35/11kVWLW-1-1
			70-120mm ²	6.35/11kVWLW-1-2
			150-240mm ²	6.35/11kVWLW-1-3
			300-400mm ²	6.35/11kVWLW-1-4
0.6/1kV(1.2)	1	Indoor or Outdoor	25-50mm ²	0.6/1kVWLT-1-1
			70-120mm ²	0.6/1kVWLT-1-2
			150-240mm ²	0.6/1kVWLT-1-3
			300-400mm ²	0.6/1kVWLT-1-4
18/30kV (36)	3	Indoor	25-50mm ²	18/30kVWLN-3-1
			70-150mm ²	18/30kVWLN-3-2
			185-400mm ²	18/30kVWLN-3-3
			500-630mm ²	18/30kVWLN-3-4
	3	Outdoor	25-50mm ²	18/30kVWLW-3-1
			70-150mm ²	18/30kVWLW-3-2
			185-400mm ²	18/30kVWLW-3-3
			500-630mm ²	18/30kVWLW-3-4
12/20kV (24)	3	Indoor	50-120mm ²	12/20kVWLN-3-1

			150-300mm ²	12/20kVWLN-3-2
			400-500mm ²	12/20kVWLN-3-3
			630mm ²	12/20kVWLN-3-4
	3	Outdoor	50-120mm ²	12/20kVWLW-3-1
			150-300mm ²	12/20kVWLW-3-2
			400-500mm ²	12/20kVWLW-3-3
			630mm ²	12/20kVWLW-3-4
8.7/15kV(17.5)	3	Indoor	25-50mm ²	8.7/15kVWLN-3-1
			70-120mm ²	8.7/15kVWLN-3-2
			150-240mm ²	8.7/15kVWLN-3-3
			300-400mm ²	8.7/15kVWLN-3-4
	3	Outdoor	25-50mm ²	8.7/15kVWLW-3-1
			70-120mm ²	8.7/15kVWLW-3-2
			150-240mm ²	8.7/15kVWLW-3-3
			300-400mm ²	8.7/15kVWLW-3-4
6.35/11kV(12)	3	Indoor	25-50mm ²	6.35/11kVWLN-3-1
			70-120mm ²	6.35/11kVWLN-3-2
			150-240mm ²	6.35/11kVWLN-3-3
			300-400mm ²	6.35/11kVWLN-3-4
	3	Outdoor	25-50mm ²	6.35/11kVWLW-3-1
			70-120mm ²	6.35/11kVWLW-3-2
			150-240mm ²	6.35/11kVWLW-3-3
			300-400mm ²	6.35/11kVWLW-3-4
0.6/1kV(1.2)	3 or 4 or 5	Indoor or Outdoor	25-50mm ²	0.6/1kVWLT-3(4/5)-1
			70-120mm ²	0.6/1kVWLT-3(4/5)-2
			150-240mm ²	0.6/1kVWLT-3(4/5)-3
			300-400mm ²	0.6/1kVWLT-3(4/5)-4

Cold Shrink Cable Joints



Use:

Cold shrink cable joint for XLPE -insulated 1 or 3 cores cables with Al or Cu conductor, 1-36kV.

Design:

The joint body is made of advanced liquid silicone rubber with three layers: a conductive outer layer, an insulating layer and a conductive inner layer. The joints kit contains all mounting material. It improves reliability, reduces time and labor. It fits cable sizes from 25mm² to 500mm².

Voltage	Cores	Cable size	Model number
18/30kV (36)	1	50-70mm ²	18/30kVWLJ-1-1
		95-150mm ²	18/30kVWLJ-1-2
		185-300mm ²	18/30kVWLJ-1-3
		400-500mm ²	18/30kVWLJ-1-4
12/20kV (24)	1	25-50mm ²	12/20kVWLJ-1-1
		70-120mm ²	12/20kVWLJ-1-2
		150-240mm ²	12/20kVWLJ-1-3
		300-400mm ²	12/20kVWLJ-1-4
8.7/15kV(17.5)	1	25-50mm ²	8.7/15kVWLJ-1-1
		70-120mm ²	8.7/15kVWLJ-1-2
		150-240mm ²	8.7/15kVWLJ-1-3
		300-400mm ²	8.7/15kVWLJ-1-4
6.35/11kV(12)	1	25-50mm ²	6.35/11kVWLJ-1-1
		70-120mm ²	6.35/11kVWLJ-1-2
		150-240mm ²	6.35/11kVWLJ-1-3
		300-400mm ²	6.35/11kVWLJ-1-4
0.6/1kV(1.2)	1	25-50mm ²	0.6/1kVWLJ-1-1
		70-120mm ²	0.6/1kVWLJ-1-2
		150-240mm ²	0.6/1kVWLJ-1-3
		300-400mm ²	0.6/1kVWLJ-1-4
18/30kV (36)	3	50-70mm ²	18/30kVWLJ-3-1
		95-150mm ²	18/30kVWLJ-3-2
		185-300mm ²	18/30kVWLJ-3-3
		400-500mm ²	18/30kVWLJ-3-4
12/20kV (24)	3	25-50mm ²	12/20kVWLJ-3-1
		70-120mm ²	12/20kVWLJ-3-2
		150-240mm ²	12/20kVWLJ-3-3
		300-400mm ²	12/20kVWLJ-3-4
8.7/15kV(17.5)	3	25-50mm ²	8.7/15kVWLJ-3-1
		70-120mm ²	8.7/15kVWLJ-3-2
		150-240mm ²	8.7/15kVWLJ-3-3
		300-400mm ²	8.7/15kVWLJ-3-4
6.35/11kV(12)	3	25-50mm ²	6.35/11kVWLJ-3-1
		70-120mm ²	6.35/11kVWLJ-3-2
		150-240mm ²	6.35/11kVWLJ-3-3
		300-400mm ²	6.35/11kVWLJ-3-4
0.6/1kV(1.2)	3 or 4 or 5	25-50mm ²	0.6/1kVWLJ-3(4/5)-1
		70-120mm ²	0.6/1kVWLJ-3(4/5)-2
		150-240mm ²	0.6/1kVWLJ-3(4/5)-3

		300-400mm ²	0.6/1kVWLJ-3(4/5)-4
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Performance of Cold shrink cable accessories

SEQ.	Test Project	18/30kV(36)	12/20kV(24)	8.7/15kV(17.5)	Result
1	AC voltage (in air and ambient temperature)	AC for 5min. at 81kV no breakdown, no flashover	AC for 5min. at 54kV no breakdown, no flashover	AC for 5min. at 39kV no breakdown, no flashover	PASS
2	Partial discharge test	≤10pc at 31kV	≤10pc at 20kV	≤10pc at 15kV	PASS
3	Impulse test	10 impulses of each polarity at 170kV	10 impulses of each polarity at 125kV	10 impulses of each polarity at 95kV	PASS
4	Heating cycle in air (for termination)	60 cycles at 95°C~100°C and 45kV in air, no breakdown	60 cycles at 95°C~100°C and 30kV in air, no breakdown	60 cycles at 95°C~100°C and 22kV in air, no breakdown	PASS
5	Heating cycle in air (for joints)	30 cycles at 95°C~100°C and 45kV in air, no breakdown	30 cycles at 95°C~100°C and 30kV in air, no breakdown	30 cycles at 95°C~100°C and 22kV in air, no breakdown	PASS
6	Heating cycle voltage test under water	30 cycles at 95°C~100°C and 45kV under water, no breakdown	30 cycles at 95°C~100°C and 30kV under water, no breakdown	30 cycles at 95°C~100°C and 22kV under water, no breakdown	PASS
7	Thermal short circuit (screen)	no visible deterioration at current 1.97kA for 2s	no visible deterioration at current 1.97kA for 2s	no visible deterioration at current 1.97kA for 2s	PASS
8	Thermal short circuit (conductor)	no visible deterioration at current 3.0kA for 1s	no visible deterioration at current 3.0kA for 1s	no visible deterioration at current 3.0kA, for 1s	PASS
9	Dynamic short circuit	no visible deterioration at current 23.0kA for 2s	no visible deterioration at current 23.0kA for 2s	no visible deterioration at current 23.0kA for 2s	PASS
10	AC voltage for 15 min	AC for 15 min at 45kV. no breakdown, no flashover	AC for 15 min at 30kV. no breakdown, no flashover	AC for 15 min at 22kV. no breakdown, no flashover	PASS
11	Salt fog (for outdoor terminations only)	1000H at 22.5kV, no breakdown, no flashover	1000H at 15kV, no breakdown, no flashover	1000H at 11kV, no breakdown, no flashover	PASS
12	Humidity (for indoor terminations only)	300H at 22.5kV, no breakdown, no flashover	300H at 15kV, no breakdown, no flashover	300H at 11kV, no breakdown, no flashover	PASS