COLD SHRINKABLE ACCESSORIES

Creat 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 and joints applications from 10kV to 40.5kV (12kV,15kV,20kV,36kV,40.5kV). Most of the cable accessories have passed type test in quality inspection and test center for equipment of electric power in China.

The simple installation of cold shrink cable accessories can help you save time and labor force. It improves work efficiency, makes the cables connection safe and reliable, assures every connection correctly sealed and insulated for long protection. The cold shrink MV terminations and joints are widely applied in power plant, wind farm, substations, city subway, etc.

CHARACTERISTICS:

1) It does not require heating by flaming nor special tools. As long as we pull out the plastic string from silicone rubber tube, the silicone rubber will be tightly shrunk on the needed position.

2) Reliable insulation to ensure superior insulation and high-recovery elasticity; we have adopted imported liquid-silicone rubber, such that the cable will keep its radial pressure permanently, making the contact surface closely jointed together, thus no flash-ores occur, nor strike as well.

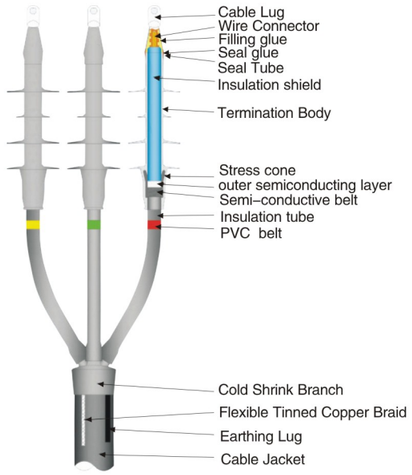
3) Superior hermetic sealing: for cable splicing, we have adopted triple hermetic sealing technology and silicone rubber with hermetic and hydrophobic performance; these will be no serious fault due to environmental causes.

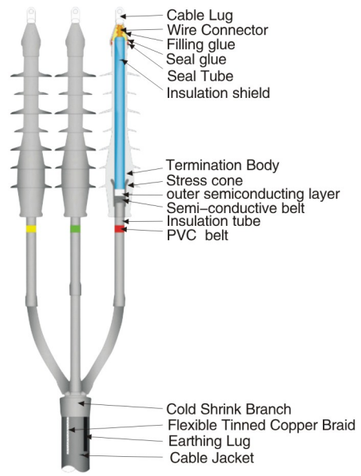
4) Easy/convenient installation: by enlarging the dimensions of stress-cone, larger tolerance will be permitted and faults due to installation are reduced to a minimum.

5) Wide Application: possessing a series of superior performances such as antipollution, long usage, hydrophobic, cold-withstanding etc. The cold shrinkable accessories can be widely used in various regions, especially suitable for high level region, cold weather region, high-humidity region, salt-fog region and high-polluted region, etc

	Test Item	8.7/15(17.5)kV	12/20(24)kV	18/30(36)kV	26/35(40.5)kV	GB12706.4
1	AC withstand voltage test (in air and ambient temperature)	AC for 5 min. at 39kV. No breakdown, No flashover	AC for 5 min. at 54kV. No breakdown, No flashover	AC for 5 min. at 81kV. No breakdown, No flashover	AC for 5 min. at 117kV. No breakdown, No flashover	PASS
2	Partial discharge	10pC max. at 15kV	10pC max. at 20kV	10pC max. at 30kV	10pC max. at 45kV	PASS
3	Impulse withstand test	10 impulses of each polarity at 95kV	10 impulses of each polarity at 125kV	10 impulses of each polarity at 170kV	10 impulses of each polarity at 200kV	PASS
4	Heating cycles in air	30 cycles at 95℃—100℃ and 23kV in air, No breakdown, No flashover	30 cycles at 95℃—100℃ and 30kV in air, No breakdown, No flashover	30 cycles at 95℃—100℃ and 45kV in air, No breakdown, No flashover	30 cycles at 95℃—100℃ and 65kV in air, No breakdown, No flashover	PASS
5	Heating cycles under water	30 cycles at 95℃—100℃ and 23kV under water, No breakdown, No flashover	30 cycles at 95℃—100℃ and 30kV under water, No breakdown, No flashover	30 cycles at 95℃—100℃ and 45kV under water, No breakdown, No flashover	30 cycles at 95℃—100℃ and 65kV under water, No breakdown, No flashover	PASS
6	Partial discharge at 95℃—100℃	10pC max. at 15kV	10pC max. at 20kV	10pC max. at 30kV	10pC max. at 45kV	PASS
7	Thermal short-circuit (screen)	No visible deterioration at 3.0 kA, 1s	No visible deterioration at 3.0 kA, 1s	No visible deterioration at 3.0 kA, 1s	No visible deterioration at 3.0 kA, 1s	PASS
8	Thermal short-circuit (conductor)	No visible deterioration at 23.0 kA, 2s	No visible deterioration at 31.7 kA, 2s	No visible deterioration at 47.5 kA, 2s	No visible deterioration at 47.5 kA, 2s	PASS
9	Dynamic short-circuit	No visible deterioration at 81.0 kA, not less than 10 ms	No visible deterioration at 112.8 kA, not less than 10 ms	No visible deterioration at 167.4 kA, not less than 10 ms	No visible deterioration at 167.4 kA, not less than 10 ms	PASS
10	Impulse withstand test at 95℃—100℃	10 impulses of each polarity at 95kV	10 impulses of each polarity at 125kV	10 impulses of each polarity at 170kV	10 impulses of each polarity at 200kV	PASS
11	AC withstand voltage test	AC for 15 min. at 23kV. No breakdown, No flashover	AC for 15 min. at 30kV. No breakdown, No flashover	AC for 15 min. at 45kV. No breakdown, No flashover	AC for 15 min. at 65kV. No breakdown, No flashover	PASS
12	Salt fog (for outdoor Terminations only)	1000H at 11kV, no breakdown, no flashover	1000H at 15kV, no breakdown, no flashover	1000H at 22.5kV, no breakdown, no flashover	1000H at 32.5kV, no breakdown, no flashover	PASS
13	Humidity (for indoor terminations only)	300H at 11kV, no breakdown, no flashover	300H at 15kV, no breakdown, no flashover	300H at 22.5kV, no breakdown, no flashover	300H at 32.5kV, no breakdown, no flashover	PASS

Cable Terminations

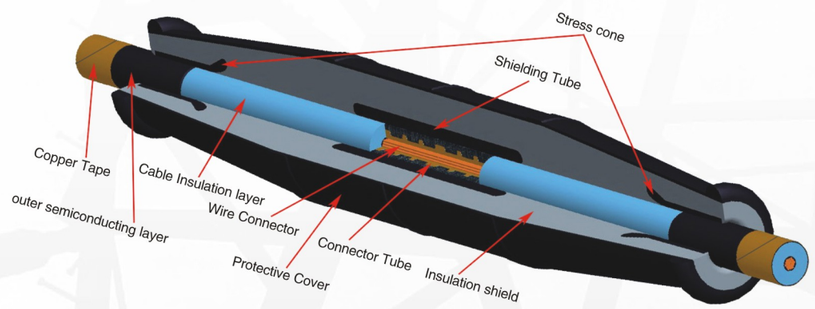




TERMINATION FOR 3(1) –CORE CABLE (outdoor/ indoor)

Class	TYPE/ORDER NUMBER	CABLE RANGE (mm2)	Cable Insulation Diameter(mm)
8.7/15kV class termination	8.7/15kV W(N)LS -3(1)/1	25-50mm2	16.0-20.0
	8.7/15kV W(N)LS -3(1)/2	70-120mm2	20.0-24.6
	8.7/15kV W(N)LS -3(1)/3	150-240mm2	24.4-30.0
	8.7/15kV W(N)LS -3(1)/4	300-500mm2	30.4-38.3
	8.7/15kV W(N)LS -3(1)/5	630mm2	
12/20kV class termination	12/20kV W(N)LS -3(1)/1	35-95mm2	18.0-25.1
	12/20kV W(N)LS -3(1)/2	120-185mm2	25.0-30.0
	12/20kV W(N)LS -3(1)/3	240-500mm2	30.0-40.3
18/30kV class termination	18/30kV W(N)LS -3(1)/1	35-95mm2	25.0-30.1
	18/30kV W(N)LS -3(1)/2	120-185mm2	30.0-35.0
	18/30kV W(N)LS -3(1)/3	240-400mm2	35.0-42.7
26/35kV class termination	26/35kV W(N)LS -3(1)/1	50-95mm2	28.5-35.0
	26/35kV W(N)LS -3(1)/2	120-185mm2	33.0-42.0
	26/35kV W(N)LS -3(1)/3	240-400mm2	41.5-50.5
	26/35kV W(N)LS -3(1)/4	500-630mm2	50.5-54.3

Cable Straight Through Joints



STRAIGHT THROUGH JOINT FOR 3(1) –CORE CABLE

Class	TYPE/ORDER NUMBER	CABLE RANGE (mm2)	Cable Insulation Diameter(mm)
8.7/15kV class joint	8.7/15kV JLS -3(1)/1	25-50mm2	16.0-20.0
	8.7/15kV JLS -3(1)/2	70-120mm2	20.0-24.6
	8.7/15kV JLS -3(1)/3	150-240mm2	24.4-30.0
	8.7/15kV JLS -3(1)/4	300-400mm2	30.4-38.3
	8.7/15kV JLS -3(1)/5	500-630mm2	
26/35kV class joint	26/35kV JLS -3(1)/1	50-95mm2	28.5-35.0
	26/35kV JLS -3(1)/2	120-185mm2	33.0-42.0
	26/35kV JLS -3(1)/3	240-400mm2	41.5-50.5

Application