Installation Instruction

The application range of Cooper SAK624T3HS2*VE for 18/30 kV

Type	For cable cross-section mm2
SAK624T3HS21VE	50-95
SAK624T3HS22VE	120-185
SAK624T3HS23VE	240-300

Part List

Heat shrink Breakout Boots	1 pc	Sand Paper	1 pc
Heat shrink insulated tube	3 pcs	PVC Tape	3 RL
Constant Force Spring	4 pcs	Plastic filler	1 pc
Copper Braid	3 pcs	Clean Wiper	1 pc
Phase Identification Tube	3 pcs	English version instruction	1 pc
Mastic Seal Strip	1 pc	Qualified certification	1 pc
Filling tape	1 pc	English version label	1 pc
Gloves	1 pc		

Heat shrink kits installation

Step 1

1. As figure 1 shown, fix the cable and remove cable jacket length required for “A” (A=insulated tube +100mm), Dimension “A” just for craftsman’s reference, it can be varied based on the real situation. Keeping the steel armour length 30mm. Be sure not damage screen layer when remove the armour. Wrap the end of copper screen layer temporally with PVC tape.
2. Keeping 20mm inner sheath from the armour cutting (If no armour，Keeping 50mm inner sheath from the cable jacket cutting).

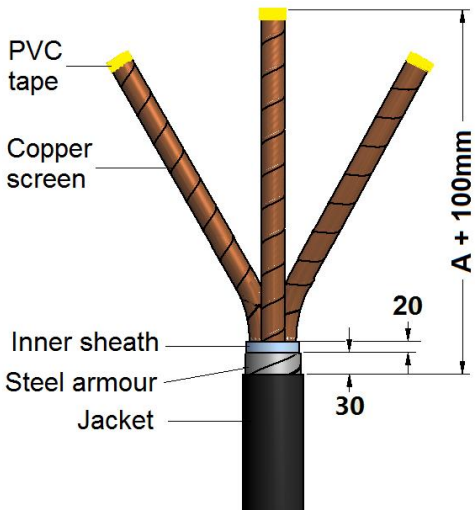

Figure 1

Step 2

1. Remove the cable filler, separate the three core cables and insert the plastic filler into the cable trifurcation. As figure 2 shown, wrap a layer mastic seal strip on the jacket.

Figure 2

2. As figure 3 shown, securing three ground braid wires on the each of the bottom of cable copper screen with the three smallest constant force springs separately, wrap several layers of PVC tape on each of the three smallest constant force springs. Polish the steel armour, gather together the three ground braid wires on the polished area of armour, secure them with the biggest constant force spring. Wrap several layers of filling tape over the steel amour and inner sheath, and cover the filling tape with several layers PVC tape

3. Wrap the mastic seal strip over the ground braid wires for sealing purpose and cover the mastic seal strip with several layers PVC tape.

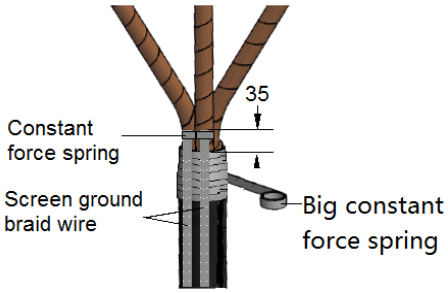

Figure 3

Step 3

1. As figure 4 shown, slide heat shrink breakout boot over the cable as far as it will go, then heat it from its middle until it shrinks on the cable.

2. Slide heat shrink tubes onto cable to cover the end of breakout boot fingers. Overlap 20mm at least between heat shrink tube and breakout boot. Heat the tube from lower to upper till it shrink on the cable.
3. Slide the phase identification tube onto the cable according to the cables phase array.

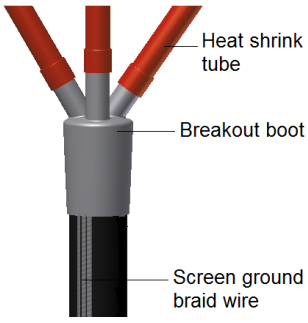

Figure 4

The cut end of tube shall be smooth when cutting heat shrink tube, to avoid any splitting during shrink.

Note：Above assembling is just for heat shrink kits, for Tee connector installation please follow its installation instruction.