

A new and modern way of cable jointing with many advantages....



Suitable for any LV cable joint and/or cable type

Optimal flexibility, independent from connector type used

Clear visibility of filling process

Only 6 basic components can make every type/size of joint

Many logistic advantages

Less resin used per joint

Closed system reduces any contact with the resin

Quicker to install

Type tested BS EN 50393



Polyurethane resin FiloSlim P2662
 Art.nr. 804645, 355 ml.
 Art.nr. 804650, 710 ml.



3D spacer cloth
 Art.nr. 80525, 360 mm x 10 mtr
 Art.nr. 80526, 600 mm x 10 mtr



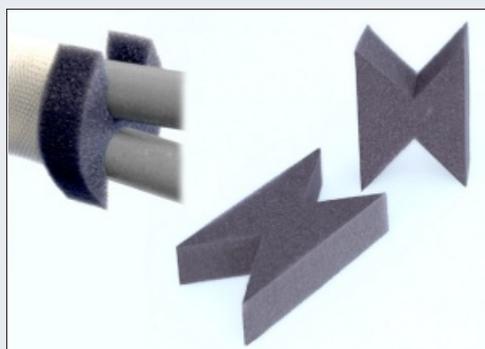
Transparent wrap around tape
 Art.nr. 80469, 50mm x 10 mtr
 Art.nr. 80470, 50 mm x 20 mtr



Injection nipple with valve + ring
 Art.nr. 80390



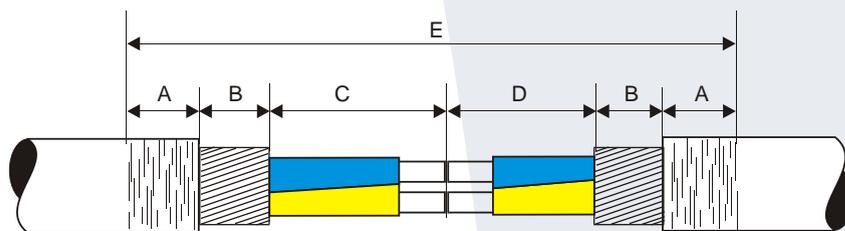
Injection valve
 Art.nr. 80545



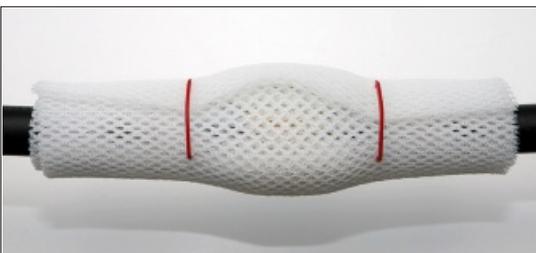
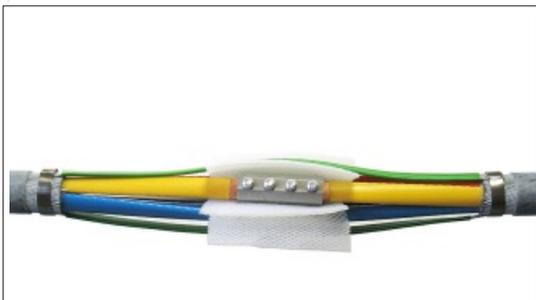
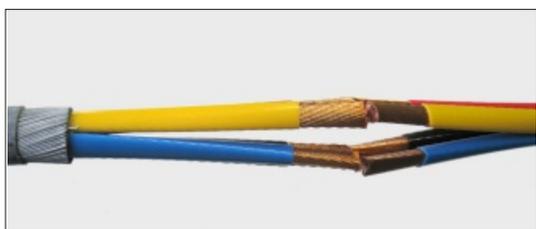
Branch seal
 Art.nr. 80530

Components Filoslim LV joint

Installation instruction



Joint sizes						
Straight						
cable	A	B	C	D	E	3D Cloth Width
6 mm ²	40	25	45	45	220	220
16mm ²	40	25	45	45	220	220
35 mm ²	40	30	70	70	280	290
70 mm ²	40	30	100	100	340	350
95 mm ²	40	40	150	120	430	450
120 mm ²	40	40	170	130	460	480
185 mm ²	50	40	180	140	500	520
300 mm ²	50	40	200	140	520	540

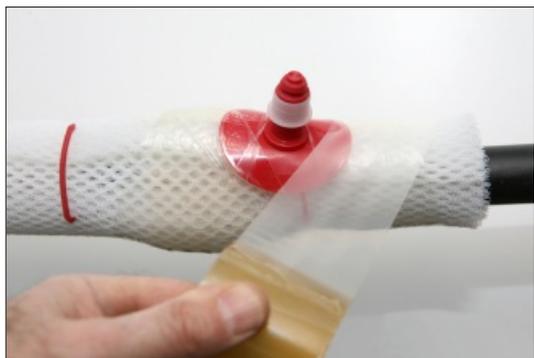


- Ensure that the cables overlap and determine dimensions following the table above.
- Mark the part of the cable oversheath which must be removed or roughened following the dimensions from the table above (A+B+C & D+B+A)
- Roughen oversheath with sandpaper (A).
- Remove cable oversheath (B+C & D+B); remove earth shield (C+D).

- Strip the conductors according to dimensions of the connector + 5mm.
- Install the connector(s) following the manufacturer's instructions.
- Create insulation distance between the connectors with some layers of 3D-cloth if individual and non-insulated connectors are used.

- Install the earth braid using constant force springs.
- Place the 3D-cloth under the earth screen first; than wrap the joint with 2 layers of 3D-cloth slightly stretching the cloth.

- Fixate the cloth with the plastic hooks supplied with the injection valve.



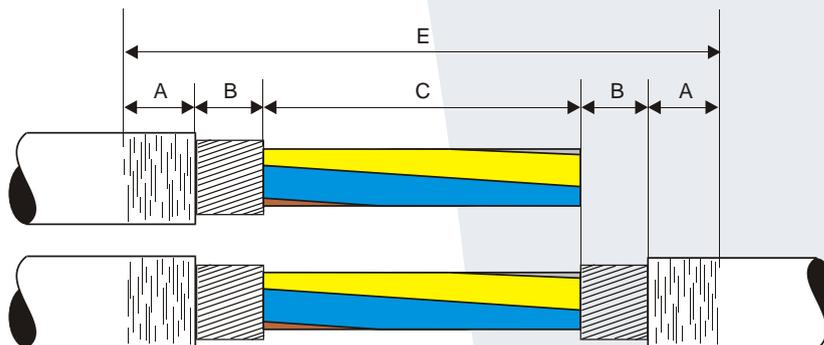
- Place the injection valve at 1/3 of the length of the joint alongside the position of the connectors using the wrap around tape.

- Wrap the joint half-overlapping with 3 layers of transparent tape, stretching the tape constantly.

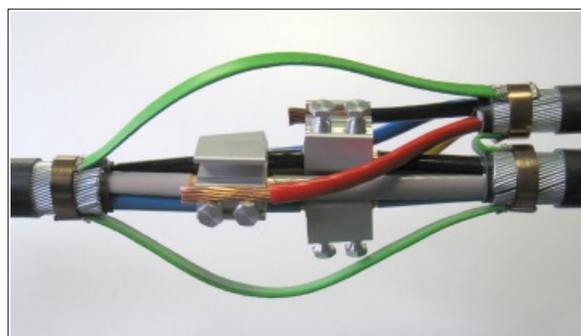
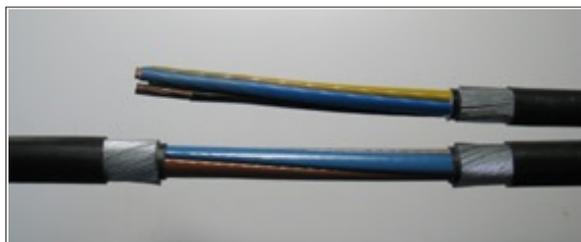
- Mix the resin following the mixing instructions and apply the special nipple.

- Fill the joint by squeezing the resin out of the bag by applying light pressure and allow enough time for the resin to flow into the joint.

- Use the necessary number of resin bags until the joint is completely filled.
- Prick through eventual entrapments of air with a non-conductive sharp tool.
- Empty bags can be disposed of as normal waste.



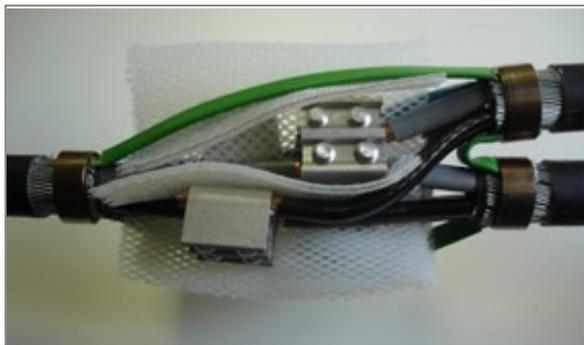
Joint sizes					
Branch					
cab	A	B	C	E	3D Cloth Width
6 mm ²	40	25	105	235	245
16mm ²	40	25	140	270	280
35 mm ²	40	30	160	300	310
70 mm ²	40	30	200	340	360
95 mm ²	40	40	270	430	450
120 mm ²	40	40	320	480	500
185 mm ²	50	40	350	530	550
300 mm ²	50	40	400	580	600



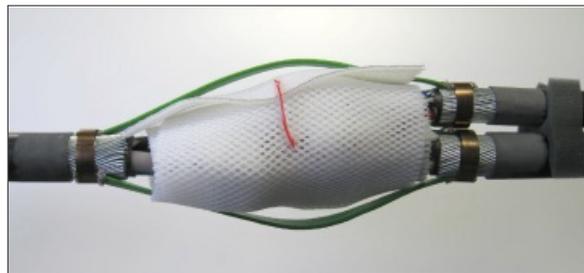
- Mark the part of the cable oversheath which must be removed or roughened following the table above (A+B+C).
- Roughen oversheath with sandpaper (A)
- Remove cable oversheath (length B+C); remove earth screen (C).

- Strip the conductors according to the dimensions of the connectors + 10 mm..

- Install the connectors following the manufacturer's instructions.
- Install the earth braid using constant force springs.



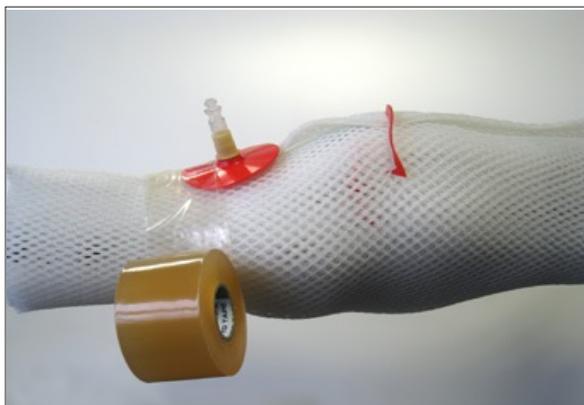
- Install pieces of 3D-cloth between crossing conductors and connectors to ensure sufficient insulation distance.



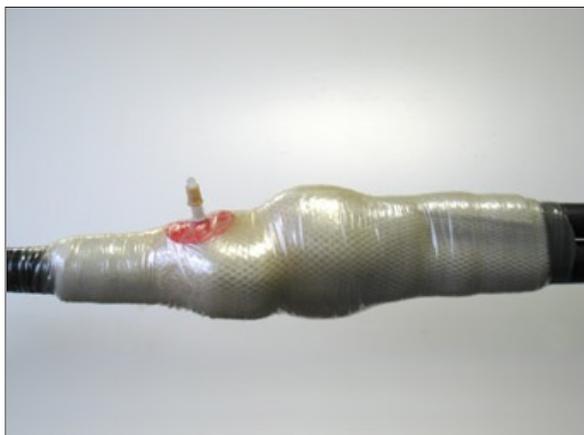
- Wrap 1 layer of 3D-cloth around the connection, leaving the earth braid outside.
- Place the foam branch seal between the main- and branch cable next to the roughened area.



- Wrap with 2 layers of 3D-cloth around the total joint, slightly stretching the cloth.



- Fixate the cloth with the plastic hooks supplied with the injection valve.
- Place the injection valve at 1/3 of the length of the joint, on the opposite side of the branch cable.



- Wrap the joint half overlapping with 3 layers of transparent tape, stretching the tape constantly.



- Mix the resin following the mixing instructions and apply the special nipple.



- Fill the joint by squeezing the resin out of the bag by applying light pressure and allow enough time for the resin to flow into the joint.



- Use the necessary number of resin bags until the joint is completely filled.
- Prick through eventual entrapments of air with a non-conductive sharp tool.
- Empty bags can be disposed of as normal waste.



1.
 - Take the resin package out of the aluminum bag.

2.
 - Remove the separator and start mixing the two components (resin and hardener).

3.
 - Remove the components also from the corners, mix at least 2 minutes intensively.

4.
 - Move the resin to one side of the package.
 - Find the "inner ring" which is inside the bag, and press the outer ring supplied with the nipple firmly into the inner ring.
 - Screw the nipple into the rings assembly, thus opening the bag.

Mixing instruction resin twinpack

Installation instruction



5.
 - Place the resin pack with the nipple onto the valve on the injection joint and push it down. This will open both nipple and valve.
 - Gently squeeze the resin into the joint applying pressure to the bag. Allow sufficient time for the resin to flow into the joint.

6.
 - Remove the empty resin package from the valve on the joint by lifting it; this will close both the valve and the nipple.
 - The empty resin bag can be disposed of as normal waste.
 - Repeat step 1 till 6 until the resin injection joint is completely filled with resin.