SVCZ 4P, 4Y, 4T

Heat shrink joints

Application

Joints SVCZ 4P, 4Y, 4T are intended for jointing and branching of signal wires to gas pipes.

Marking

SVCZ 4P - straight-through joint for straight signal wire connection
SVCZ 4Y - branch joint for construction of signal wire branch
SVCZ 4T - T joint for connection of 3 straight-through joints

Specifications: Tab. 1 Material properties (cross-linked PE)

Tensile strength	[MPa]	min. 13
Elongation at break	[%]	min. 350
Shrink temperature	[°C]	150 - 200
Operating temperature - long-term - short-term	[°C]	100 150
Volume resistivity	[Ω.m]	10^{13}
Dielectric strength	[kV/mm]	12

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ASSEMBLY OF SVCZ 4P - STRAIGHT-THROUGH JOINT

1. Strip the insulation of conductors in lengths equal to 1/2 the length of Cu compression cable connector.
2. Apply a heat shrinkable tube on one conductor.
3. Insert stripped conductors into Cu compression cable connectors and use tool for crimping (we recommend Klavke K-02).
4. Apply a heat shrinkable tube on the compression connector, whereas pay attention to positioning of the connector in the center of the tube. The tube is shrunk by application of heat from the center to one side and then to the other. As the heat source we recommend using a soft flame propane butane torch, or a hot air gun.
5. Heat shrinkable tube seals the fitting perfectly after adhesive starts to leak out of it. It is highly recommended not to remove adhesive! Continue to manipulate until it has got cold and upon adhesive solidification (around 20 minutes).

ASSEMBLY OF SVCZ 4Y- BRANCH JOINT

1. Strip the insulation of continuous conductors in lengths equal to 1/2 the length of Cu compression cable connector. A branch conductor is to be stripped in length equal to the length of the particular joint.
2. Apply one heat shrinkable tube with hot melt adhesive on the branch conductor and the second on the continuous conductor entering a compression cable connector from the opposite side.
3. Insert stripped conductors into Cu compression cable connectors and use tool for crimping (as advised above while straight-through joint assembly).
4. Place a heat shrinkable tube with hot melt adhesive close to the compression connector and press tightly both connectors (continuous and branch) to each other. Position the heat shrinkable tube in a way to overlap the heat shrinkable tube with hot melt adhesive. The tube is shrunk by application of heat from the center to sides, firstly to the side with one conductor, then to the side of 2 connectors. As the heat source we recommend using a soft flame propane butane torch, or a hot air gun.
5. The joint is sealed perfectly after the tube adhesive starts to leak out of its both sides. Provide branching of signal wires after adhesive solidification at a distance of 2-3cm from the shrunk tube edge.

ASSEMBLY OF SVCZ 4T

Supplied T joint is a ready branch to be connected by 3 straight-through joints. Follow the instructions as advised while straight-through joint SVCZ 4P assembly.
Joint SVCZ 4T kit components (8 pcs of PE bags containing):
-1 pc of straight-through joint
-3 pcs of Cu compression cable connector of Ø 4 mm^2
-3 pcs of heat shrinkable tubes

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