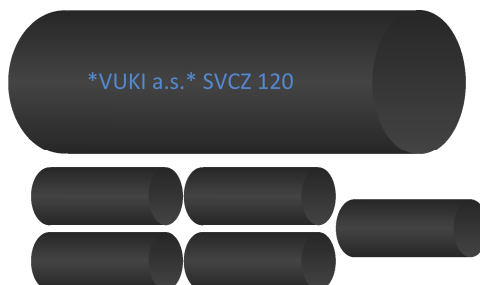




Heat shrink joints for 5-core cables



### Application

Outer heat shrink plastic joints SVCZ are intended for connection of 5-core plastic insulated cables type AYKY, CYKY etc., up to 1 kV.

### Marking

Identification marking consists of a letter symbol SVCZ, followed by a number indicating phase core cross-section. In case a joint kit has compression cable connectors suitable for both aluminum and copper conductors, a letter symbol S Al, or S Cu is added (depending whether compression cable connectors are made of aluminum (Al), or copper (Cu).

Marking example:

SVCZ 5x35 - S Al is a heat shrink joint for cables AYKY (CYKY) 5x35 with Al compression cable connectors

SVCZ 5x25 is a heat shrink joint for cables AYKY (CYKY) 5x25 (without compression cable connectors)

Packaging: SVCZ 5-core joints are supplied in PE bags, containing 1 pc of a heat shrinkable tube for outer protection and 5 pcs of core insulation tubes and 5 pcs of connectors

### Specifications

All necessary assembling accessories of the kit consist of 5 pcs of heat shrinkable insulation tubes in order to create insulation surrounding in the place of core connection achieved by compression cable joints and 1 pc of heat shrinkable tube for outer protection. Both insulation and heat shrinkable tubes are covered by hot melt adhesive, covering the whole inner side length, for guaranteeing excellent sealed connection properties.

Tubes are manufactured from cross-linked PE (properties displayed in the Tab. 1).

The Tab. 2 provides a detailed description of the particular types of joints. The Tab. 3 and Fig. 1 display positioning of cables in joints.

**Tab. 1 Material properties (cross linked PE)**

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


**Tab. 2 Dimensions of heat shrink joints SVCZ for 5-core cables (16-240 mm<sup>2</sup>)**

Typ spojky	No/Core cross-section [pcs x mm <sup>2</sup> ]	Insulation tube for cores			Sheath tube			Joints	
		d <sub>1</sub> /d <sub>2</sub> [mm]	L <sub>i</sub> [mm]	QTY [pcs]	d <sub>1</sub> /d <sub>2</sub> [mm]	L <sub>p</sub> [mm]	QTY [pcs]	Code [cross-section]	QTY [pcs]
SVCZ 5x 16-35	5 x 16	17/5	150	5	50/18	600	1	16	5
	5 x 25							25	5
	54 x 35							35	5
SVCZ 5x 50-70	5 x 50	30/10	200	5	80/30	800	1	50	5
	5 x 70							70	5
SVCZ 5x 95-150	5 x 95	37/14	220	5	100/42	1000	1	95	5
	5 x 120							120	5
	5 x 150							150	5
SVCZ 5x 185-240	5 x 185	42/16	250	5	113/46	1000	1	185	5
	5 x 240							240	5

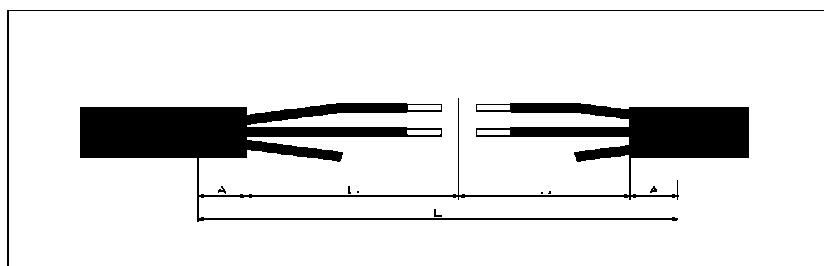
L<sub>i</sub>, L<sub>p</sub> - Lengths of tubes (expanded as supplied)

d<sub>1</sub> - Expanded as supplied Ø d<sub>1</sub> min

d<sub>2</sub> - Fully recovered Ø d<sub>2</sub> max

**Tab. 3 Positioning of cables and dimensions for installation of joints SVCZ for cables (16-240mm<sup>2</sup>)**

Code	No/Core cross-section [pcs x mm <sup>2</sup> ]	Dimensions			
		L <sub>1</sub> [mm]	L <sub>2</sub> [mm]	A [mm]	L [mm]
SVCZ 5x16-35	5 x 16	240	120	120	600
	5 x 25				
	5 x 35				
SVCZ 5x 50-70	5 x 50	300	160	145	800
	5 x 70				
SVCZ 5x 95-150	5 x 95	360	200	170	1000
	5 x 120				
	5 x 150				
SVCZ 5x 185-240	5 x 185	370	210	210	1000

**Fig. 1**


Heat shrink joints SVCZ are supplied in PE bags (1 kit).