



Heat shrink joints with bolted connectors with shear head screws for 5-core cables



Application

Outer heat shrink plastic joints with bolted connectors with shear head screws are designed for connection of 5-core plastic insulated cables type AYKY 5x16-240 mm² and CYKY 5x16-150 mm² up to 0,6/1 kV.

Marking

Identification marking consists of a letter symbol SVCZSS, followed by a number indicating amount of cable cores and core cross-section range.

Marking example: for 5-core cables

SVCZSS 5x16-35 is a heat shrink joint with bolted connectors for cables AYKY, CYKY 5x16, 5x25 and 5x35

SVCZSS 4x95-150 Al/Cu is a heat shrink joint with bolted connector for cables AYKY, CYKY 4x95, 4x120 and 4x150

Packaging: SVCZSS 5-core are supplied in PE bags, containing 1 pc of a heat shrinkable tube for outer protection, 5 pcs of core insulation tubes and 5 pcs of bolted connectors with shear head screws.

Specifications

Joints for 5-core cables consist of 5 pcs of heat shrinkable insulation tubes in order to create insulation surrounding in the place of core connection, 1 pc of heat shrinkable tube for outer protection and 5 pcs of bolted connectors with shear head screws for joining cable cores. 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 and 3 provide a detailed description of the particular types of joints. The Tab. 4 and Fig. 1 display positioning of cables in joints.

Tab. 1 Material properties (cross-linked PE)

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



F-11.1.21-69-5/15.en

The data was prepared for informational purposes only, is to be a topic of revising if new knowledge and experience is available and does not contain any representations, legally binding declarations or guarantees. A liability of VUKI a.s. products for the correctness of the information contain herein is excluded and any specifications are subject to change without notice. In addition, any intellectual property rights remain within VUKI a.s. products and are reserved. VUKI a.s.

VUKI a.s., Rybníčná 38, SK - 831 07 Bratislava, Tel.: +421 2 4488 9906, Fax: +421 2 4488 2927
e-mail: vuki@vuki.sk, www.vuki.sk


Tab. 2 Dimensions of heat shrink joints SVCZSS for 5-core cables AYKY with 16 - 240 mm² cross-section

Code	No/Core cross-section [pcs x mm ²]	Insulation tube for cores			Sheath tube			Bolted connectors	
		d ₁ /d ₂ [mm]	L _i [mm]	QTY [pcs]	d ₁ /d ₂ [mm]	L _p [mm]	QTY [ks]	Code type	QTY [pcs]
SVCZSS 5x 16-35 Al/Cu	5 x 16	17/5	150	5	50/18	600	1	KSS 6-35P	5
	5 x 25								
	54 x 35								
SVCZSS 5x 50-70 Al/Cu	5 x 50	30/10	200	5	80/30	800	1	KSSTD 16-95P	5
	5 x 70								
SVCZSS 5x 95-150 Al/Cu	5 x 95	37/14	220	5	100/42	1000	1	KSSTD35-150P	5
	5 x 120								
	5 x 150								
SVCZSS 5x 185-240 Al/Cu	5 x 185	42/16	250	5	113/46	1000	1	KSSTD 150-240	5
	5 x 240								

Tab. 3 Dimensions of heat shrink joints SVCZ for 5-core cables CYKY (16-150mm²)

Code	No/Core cross-section [pcs x mm ²]	Insulation tube for cores			Sheath tube			Bolted connectors	
		d ₁ /d ₂ [mm]	L _i [mm]	QTY [pcs]	d ₁ /d ₂ [mm]	L _p [mm]	QTY [pcs]	Code type	QTY [pcs]
SVCZSS 5x 16-35 Al/Cu	5 x 16	17/5	150	5	50/18	600	1	KSS 6-3 5P	5
	5 x 25								
	54 x 35								
SVCZSS 5x 50-70 Al/Cu	5 x 50	30/10	200	5	80/30	800	1	KSSTD 16-95P	5
	5 x 70								
SVCZSS 5x 95-150 Al/Cu	5 x 95	37/14	220	5	100/42	1000	1	KSSTD 35-150	5
	5 x 120								
	5 x 150								

L_i, L_p - Lengths of tubes (expanded as supplied)

d₁ - Expanded as supplied Ø d₁ min

d₂ - Fully recovered Ø d₂ max

KSS - bolted connector (BC)

T - Shear head screws (SHS)

D - Spacer (S)

35-150 - Nominal cross section range for particular joint

P - Tinned (T) (KSSTD 150-240 is not tinned, used for Al AYKY cables only)



VUKI
SINCE 1950

F-11.1.21-69-5/15.en

The data was prepared for informational purposes only, is to be a topic of revising if new knowledge and experience is available and does not contain any representations, legally binding declarations or guarantees. A liability of VUKI a.s. products for the correctness of the information contain herein is excluded and any specifications are subject to change without notice. In addition, any intellectual property rights remain within VUKI a.s. products and are reserved. VUKI a.s.

VUKI a.s., Rybníčná 38, SK - 831 07 Bratislava, Tel.: +421 2 4488 9906, Fax: +421 2 4488 2927

e-mail: vuki@vuki.sk, www.vuki.sk

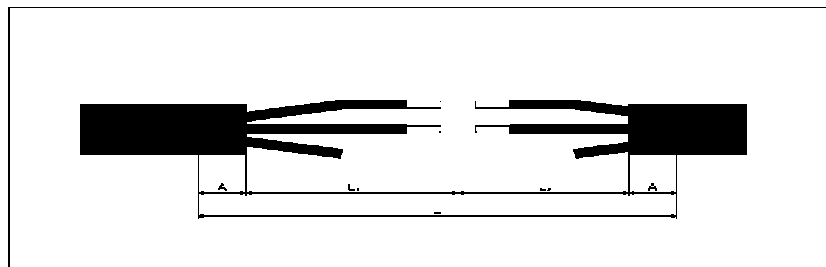
7./ 7.1/ 12



Tab. 4 Positioning of cables and dimensions for installation of joints SVCZSS for cables AYKY (16-240 mm²) and CYKY (16-150

Code	No/Core cross-section	Dimensions			
		L ₁	L ₂	A	L
	[pcs x mm ²]	[mm]	[mm]	[mm]	[mm]
SVCZSS 5x16-35 Al/Cu	5 x 16	240	120	120	600
	5 x 25				
	5 x 35				
SVCZSS 5x 50-70 Al/Cu	5 x 50	300	160	145	800
	5 x 70				
SVCZSS 5x 95-150 Al/Cu	5x95	360	200	170	1000
	5 x 120				
	5 x 150				
SVCZSS 5x 185-240 Al/Cu	5 x 185	370	210	210	1000
	5 x 240				

Fig. 1



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

