



Heat shrink joints



Application

Outer heat shrink plastic joints SVCZ - universal are intended for connection of 4-core plastic insulated cables type AYKY, CYKY etc., up to 0,6/1 kV.

Marking

Identification marking consists of a letter symbol SVCZ, followed by a number indicating core cross-section range. Marking example: SVCZ-95-150 is a heat shrink joint for cable AYKY, CYKY 3x95+70, 3x120+70 and 3x150+70.

Packaging: joints SVCZ- universal are supplied in PE bags, containing 1pc of a heat shrinkable tube for outer protection and 4 pcs of core insulation tubes.

Universal joints are supplied without Al/Cu compression cable connectors!

Specifications

Joints consist of 4 (or 3+1) pcs of heat shrinkable insulation tubes in order to create insulation surrounding in the place of core connection via compression cable connectors 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).

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	[°C]	100
- short-term		150
Volume resistivity	[Ω.m]	10 ¹³
Dielectric strength	[kV/mm]	12


Tab. 2 Dimensions of heat shrink joints SVCZ - universal

Code	No/Core cross-section [pcs x mm ²]	Insulation tube			Sheath tube		
		d ₁ /d ₂ [mm]	L _i [mm]	QTY [pcs]	d ₁ /d ₂ [mm]	L _p [mm]	QTY [pcs]
SVCZ 10-16	4 x 10	12/4	150	4	40/16	500	1
	4 x 16						
SVCZ 25-35	4 x 25	17/5	150	4	50/18	600	1
	4 x 35						
SVCZ 50-70	4 x 50	25/10	200	4	65/27	750	1
	4 x 70						
SVCZ 95-150	3 x 95+70	40/16 25/10	250	3 1	80/32	900	1
	3 x 120+70						
	3 x 150+70						
SVCZ 185-240	3 x 185+95	40/16	250	4	100/42	1000	1
	3 x 240+120						

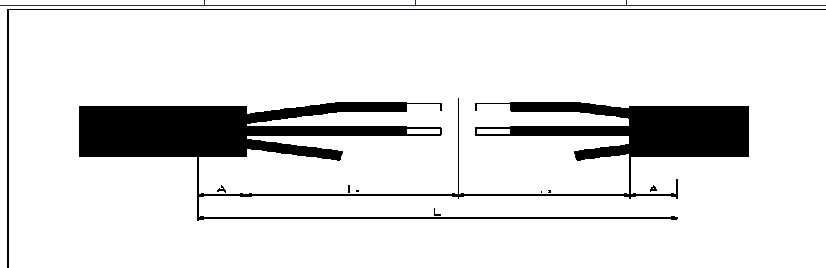
L_i, L_p - Lengths of tubes (expanded as supplied)

d₁ - Expanded as supplied Ø d₁ min

d₂ - Fully recovered Ø d₂ max

Tab. 3 Positioning of cables in joint and dimensions for assembly

Code	No/Core cross-section [pcs x mm ²]	Dimensions			
		L ₁ [mm]	L ₂ [mm]	A [mm]	L [mm]
SVCZ 10-16	4 x 10	210	100	95	500
	4 x 16				
SVCZ 25-35	4 x 25	240	120	120	600
	4 x 35				
SVCZ 50-70	4 x 50	300	160	145	800
	4 x 70				
SVCZ 95-150	3 x 95+70	360	200	170	1000
	3 x 120+70				
	3 x 150+70				
SVCZ 185-240	3 x 185+95	370	210	210	1000
	3x240+120				

Fig. 1


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