



Protect busbars | reduces distances

**SRBB** – a new heat-shrink tube up to 36kV

Systems For Professionals

**CELLPACK**

Electrical Products

## Heat-shrink tube SRBB

for busbar insulation up to 36kV

### Application

The insulating tubes SRBB permit clearance reduction between the busbars and provide flashover protection against accidental bridging in indoor and outdoor substations up to 36kV.

### Properties

- Medium-wall
- Halogen-free
- Anti-tracking according to cold-flow
- UV-resistant
- Non corrosive
- Resistant to fungus and decay

### Material

Cross-linked polyolefin

### Colour

Red-brown

### Ordering details

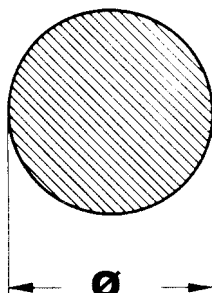
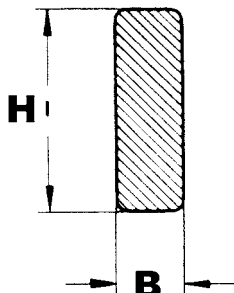
Type		Inner Ø		Wall thickness recovered	Length	Art.-No.
		before	after			
		shrinkage				
		mm				
SRBB	19-6	19	6	2.3	30	201942
	35-11	35	11	2.5	30	201943
	50-18	50	18	2.7	30	201944
	80-26	80	26	2.8	30	201945
	120-40	120	40	3.0	30	201946



## Minimum allowance between the busbars

	12kV mm	17.5kV mm	24kV mm	36kV mm
<b>Busbar (round shaped)</b>				
• without isolation Ph/Ph and Ph/E	120	160	220	320
• with isolation Ph/Ph	50	65	90	145
• with isolation Ph/E	60	80	120	200
<b>Busbar (rectangular shaped)</b>				
• without isolation Ph/Ph and Ph/E	120	160	220	320
• with isolation Ph/Ph	60	80	110	195
• with isolation Ph/E	70	100	145	280

## Selection chart

Type		Recommended application range Ø round		Width (B) + Height (H) rectangular		Art.-No.
		min.	max.	min.	max.	
		mm		mm		
SRBB	19-6	6.5	12	12	18	201942
	35-11	13	25	22	36	201943
	50-18	18	35	31	60	201944
	80-26	28	65	55	95	201945
	120-40	45	100	80	150	201946
						

Technical data	Value	Test
<b>Physical properties</b>		
Density	~ 1.15 g/cm <sup>3</sup>	IEC 60684-2
Hardness	89 Shore A	DIN 53 505
Elongation at tear	500 %	IEC 60684-2
Tensile strength	16 MPa	IEC 60684-2
Longitudinal shrinkage	+5 % / -10 %	IEC 60684-2
Shrink ratio	3 : 1	IEC 60684-2
Concentricity expanded	> 50 %	IEC 60684-2
Concentricity recovered	> 85 %	IEC 60684-2
<b>Thermal properties</b>		
Operating temperature range	-40 °C up to +120 °C	IEC 60684-2
Shrinking temperature	> 125 °C	CP-PM-1004*
Burning behaviour	not self-extinguishing	IEC 60684-2 Procedure C
Flexibility at low temperatures	-40 °C	IEC 60684-2
Thermal ageing (168 h at 150 °C) • Elongation at tear • Tensile strength	> 250 % > 12 MPa	IEC 60684-2
<b>Electrical properties</b>		
Dielectric strength (23 °C)	> 20kV/mm	IEC 60684-2
Volume resistivity	1*E 13	IEC 60684-2
Tracking	CTI 600 mm	IEC 112 RWD Test
<b>Chemical properties</b>		
Corrosion	non-corrosive	DIN IEC 15C/590/CD
Water absorption	< 0.15 %	DIN 53 495 1L
Resistance to fungus and decay	Rate 1	DIN IEC 15C/590/CD

\* Internal specification according to DIN ISO 9001

All measured values are minimum values. Alteration right reserved.