

Protect busbars | reduces distances

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

Systems For Professionals

CELLPACK
Electrical Products

a BBC GROUP company

D611 | SAP-No. 206984 | 0706

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 shrinkage	after shrinkage			
		mm		mm	m	
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



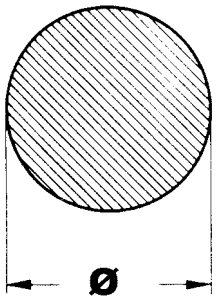


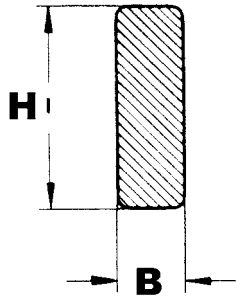
Minimum allowance between the busbars

	12kV mm	17.5kV mm	24kV mm	36kV mm
Busbar (round shaped)				
• 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
Busbar (rectangular shaped)				
• 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
Physical properties		
Densitiy	~ 1.15 g/cm^3	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
Thermal properties		
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
Electrical properties		
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
Chemical properties		
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.

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