

RSI-LVB (1KV) Low Voltage Black Cable Breakout

Molded heat shrinkable cable breakout, commonly used for insulation, protection and seal against water and corrosion for cable breakouts.



Applications

- ◆ Energy supply infrastructure, chemical factory, oil refinery, metallurgy, harbor or other location where safety and reliability of energy supply is vital for daily operation

Features/Benefits

- ◆ Flame retardant (optional)
- ◆ Radial shrinkage $\geq 50\%$
- ◆ Longitudinal shrinkage $< 20\%$
- ◆ Waterproof
- ◆ Shield, protect & insulate
- ◆ Long Life Expectancy of 20 Years at $-55 \sim 105 \text{ }^\circ\text{C}$

Temperature Range

- ◆ Operating Temperature : $-55 \sim 105 \text{ }^\circ\text{C}$
- ◆ Shrink Temperature : $120 \sim 140 \text{ }^\circ\text{C}$

Color: Black

Technical Details

Test item	Test standard	Typical Data
Density	ASTM D2671	1.1~1.2
Thermal endurance	IEC 216	$-55 \sim 105^\circ\text{C}$
Tensile strength	ASTM D2671	$>12\text{MPA}$
Ultimate Elongation	ASTM D2671	$>400\%$
Accelerated Ageing 168hrs at 136°C Tensile strength Ultimate Elongation	ASTM D2671	$>10\text{MPA}$ $>300\%$
Low temperature flexibility 4hrs at -40°C	ASTM D2671	No cracking
Heat shock 4hrs at 200°C	ASTM D2671	No drop no flow
Dielectric strength	ASTM D2671	$>18\text{kV/mm}$
Volume resistivity	ASTM D2671	$>10^{14}\Omega\cdot\text{cm}$
Water absorption	ASTM D570	$<0.5\%$



Product Selection(Spiral adhesive)

Size	Before Shrink(mm)		After Shrink(mm)		Total Length ±20%(mm)	Finger Length ±20%(mm)	Big End Thickness ±10%(mm)	Finger Thickness ±10%(mm)	Size for Conductive (mm ²)
	Big end	Finger	Big end	Finger					
RSI2-30/10	30	14	10	4.5	90	25	3.2	1.6	4-25
RSI3-38/14	38	13	14	4.5	110	28	2.7	1.5	4-35
RSI3-61/22	61	24	22	9	180	40	3.5	1.5	50-150
RSI3-85/33	85	32	33	12	180	50	3.0	2.5	185-300
RSI3-95/30	95	44	30	13	205	45	3.5	2.5	
RSI3-110/47	110	50	47	22	240	60	4.0	2.5	4-35
RSI3-125/58	110	55	58	22	240	50	3.0	3.0	
RSI3-170/60	170	62	60	30	250	65	4.2	2.6	
RSI4-45/14	45	14	16.5	4	90	25	3.5	1.9	
RSI4-55/20	55	20	20	7	165	40	3.5	2.0	35-70
RSI4-65/26	65	25	25	9	215	45	3.5	2.0	70-150
RSI4-100/33	100	40	33	14	220	50	3.5	2.5	185-300
RSI4-1701/60	170	55	60	22	250	65	4.0	3.5	

Product Selection(handwork adhesive)

Size	Before Shrink(mm)		After Shrink(mm)		Size for Conductive(mm ²)
	Big end	Finger	Big end	Finger	
RSI2-33/10	33	12	10	3.4	10-16
RSI2-48/15	48	19	15	5	25-50
RSI2-65/20	65	22	20	8	70-120
RSI2-98/38	98	37	38	14.2	150-240
RSI3-34/15	34	20	15	5.5	4-6,10-16
RSI3-50/25	50	26	25	6.9	25-50
RSI3-75/32	75	38	32	10	70-120
RSI3-86/40	86	48	40	14	150-240
RSI3-112/50	112	59	50	18	300-400
RSI4-40/15	40	22	15	4.8	10-16
RSI4-53/20	53	25	20	5	25-50
RSI4-73/24	73	33	24	7.5	70-120
RSI4-86/34	86	40	34	11	150-240
RSI4-105/38	105	41	38	12.12	300
RSI5-40/13	40	21	13	4	10-16
RSI5-54/17	54	30	17	5.2	25-50
RSI5-78/25	78	39	25	9	70-120
RSI5-100/36	100	46	36	11	150-240