

RSI3-MV Medium Voltage semiconductor black Cable Breakout Voltage Class 8.7~15kV Ideal for insulation and protection of cable break-out

Molded heat shrinkable cable break out boots, 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

- ◆Semiconductor product
- ◆Radial shrinkage $\geq 50\%$
- ◆Longitudinal shrinkage $< 20\%$
- ◆Waterproof(red sealed adhesive)
- ◆Long Life Expectancy of 20 Years at $-55 \sim 105^\circ\text{C}$

Temperature Range

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

Technical Details:

Test item	Test Method	Typical Value
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
Volume resistivity	ASTM D2671	$>10^4\Omega\cdot\text{cm}$
Water absorption	ASTM D570	$<0.5\%$

Product Selection

Size	Before Shrink(mm)		After Shrink(mm)		Size for Conductive (mm^2)
	Big end	Finger	Big end	Finger	
RSI3-50/25	50	26	25	6.9	10-16
RSI3-75/32	75	32	32	10	25-50
RSI3-86/40	86	48	40	14	70-120
RSI3-112/50	112	59	50	18	150-240