

## Diesel resistant elastomeric heat shrink tube



**Model Number: SBD-SWHF-DR**

Working temperature: -75 °C-150 °C;

### Structure

Diesel resistant elastomeric heat shrink tube is made of polymeric elastomer under radiation modification, long-term use at high temperatures, diesel fuel and aviation fuel resistance, high temperature fluids resistance.

### Usage

It can be used in military vehicles, high-speed rail motor car, ship equipment or commercial cable terminal, separated junction, etc.

### Feature

1. Specially formulated for optimum high temperature fluid resistance, and long term heat resistance. Resistant to aviation and diesel fuels, hydraulic fluids and lubricating oils.
2. Particularly suitable as a jacketing material for military ground vehicle cables and harnesses. It is also ideally suited for demands of motorsports cable harnesses.
3. Shrink ratio: 2:1
4. Minimum shrink temperature: 90 °C
5. Minimum full recovery temperature: 150 °C
6. Environmental standards: RoHS

### Specification

Item		Test method	Typical data
Tensile strength (Mpa)	Before aging	ASTM D638	≥12
	After aging	ISO 188 (166°C/168h)	≥8
Elongation (%)	Before aging	ASTM D638	≥400
	After aging	ISO 188 (166°C/168h)	≥220
Fluid resistance strength(Mpa)		ISO 37 24hrs. (diesel 70°C,hydraulic 70°C, lubricant 100°C)	≥8
Fluid resistance elongation (%)		ISO 37 24hrs. (diesel 70°C,hydraulic 70°C, lubricant 100°C)	≥300
Shrink ratio in axial direction (%)		UL224	±10
Heat shock		4hrs/215°C	No crack and dripping
Flammability		UL224,VW-1	pass
Dielectric strength(KV/mm)		UL224,VW-1	≥15

**Dimension**

Size		As supplied	After recovery	
Inch	mm	I.D. MIN (mm)	I.D. MAX (mm)	Wall thickness (mm)
1/8	3.2	3.2	1.6	0.76±0.15
3/16	4.8	4.8	2.4	0.84±0.15
1/4	6.4	6.4	3.2	0.89±0.15
3/8	9.5	9.5	4.8	1.02±0.20
1/2	12.7	12.7	6.4	1.22±0.20
3/4	19.0	19.0	9.5	1.45±0.28
1	25.4	25.4	12.7	1.78±0.28
1-1/2	38	38	19.0	2.41±0.41
2	51	51	25.4	2.79±0.41
3	76	76	38.0	3.18±0.50

**Color:** Standard color is black (other color available upon request).