

SINGLE WALL 3:1 HEAT SHRINK SLEEVE - BOX

PART NR.

See dimensions table

COUNTRY OF ORIGIN:

China

STANDARDS:

REACH and RoHS compliant

Halogen free

Flammability: UL1581 VW-1

UL listed

CHARACTERISTICS:

- AE's single wall heat shrink sleeve is flexible, flame-retardant, polyolefin heat shrinkable tubing
- This shrink sleeve is low smoke generating, abrasion resistant and dioxin-free in case of burning and has excellent electrical and physical properties, including excellent acid and corrosion resistance
- It is suitable for insulation application in automotive electronics, terminal lugs, small electrical parts, lead wires of motors and transformers, etc.
- This product is UL listed

PHOTO / TECHNICAL DRAWING



AVAILABLE COLORS

Other color part nr.

Only available in black

DIMENSIONS

Part nr.	Inch	Before Ø in mm	After Ø in mm	Mtrs/box	UL
612001BB	1/16	1,5	0,5	15	✓
612002BB	1/8	3,0	1,0	12	✓
612003BB	3/16	4,5	1,5	11	✓
612004BB	1/4	6,0	2,0	10	✓
612005BB	3/8	9,0	3,0	7	✓
612006BB	1/2	12,0	4,0	6	✓
612007BB	5/8	15,0	5,0	5	✓
612008BB	3/4	18,0	6,0	5	✓
612009BB	1	24,0	8,0	4	✓

TECHNICAL SPECIFICATIONS

Material: Polyolefin
Shrink ratio: 3:1
Operating temperature: -55 ~ 125 °C
Min. shrink temperature: 70 °C
Fully shrink temperature: 120 °C

Technical Data

Property	Specification Requirement	Test Method	Typical Value
Tensile strength (Room temp.)	Min. 10.4Mpa	UL224	12Mpa
Elongation at break (Room temp.)	Min. 200%	UL224	400%
Tensile strength after aging (158°C 168hrs)	Min. 7.3Mpa	UL224	10.4Mpa
Elongation after aging (158°C 168hrs)	Min. 100%	UL224	300%
Voltage withstand (Un-aged)	Withstand 2.5kV for 1 minute and breakdown	UL224	Pass
Voltage withstand (Aged)	Withstand at least half of un-aged breakdown voltage for 1 minute and breakdown	UL224	Pass
Corrosion (158°C 168hrs)	No corrosion	UL224	No sign of deg.
Longitudinal shrinkage	≤10%	UL224	≤5%
Low-temperature flexibility (-55°C 4hrs)	No cracking	UL224	Pass
Flammability	VW-1	UL1581	Pass
Volume resistivity	Min. 10 ¹⁴ Ω·m	UL224	Pass
Heat shock (250°C 4hrs)	No cracking	ASTM D2671	Pass
Dielectric strength	>19.7kV/mm	ASTM D2671	>25kV/mm