

SINGLE WALL 2:1 HEAT SHRINK SLEEVE - PIECES 1.00 M

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.

511...BM = grey
512...BM = black
513...BM = green/yellow
514...BM = blue
515...BM = clear
516...BM = white
517...BM = red
518...BM = yellow
519...BM = green
521...BM = brown
Not available in orange

DIMENSIONS

Part nr.	Inch	Before Ø in mm	After Ø in mm	Pcs/bag	UL
512001BM	³ / ₆₄	1,1 ± 0,20	0,5	50	✓
512002BM	¹ / ₁₆	1,5 ± 0,20	0,65	50	✓
512003BM	³ / ₃₂	2,5 ± 0,20	1,0	50	✓
512004BM	¹ / ₈	3,0 ± 0,20	1,3	50	✓
512005BM	³ / ₁₆	5,0 ± 0,20	2,3	50	✓
512006BM	¹ / ₄	6,5 ± 0,20	3,0	50	✓
512007BM	³ / ₈	9,5 ± 0,30	4,5	25	✓
512008BM	¹ / ₂	12,5 ± 0,30	6,0	25	✓
512009BM	⁵ / ₈	15,5 ± 0,40	7,5	25	✓
512010BM	³ / ₄	19,0 ± 0,50	9,0	25	✓
512011BM	1	26,0 ± 0,50	12,5	25	✓
512012BM	1½	36,5 ± 1,00	17,5	10	✓
512013BM	2	50,8 ± 0,20	25,4	10	✓

TECHNICAL SPECIFICATIONS

Material: Polyolefin
 Shrink ratio: 2:1
 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