

# SINGLE WALL 2:1 HEAT SHRINK SLEEVE - 100 PIECES 10 CM

**PART NR.**

See dimensions table

**COUNTRY OF ORIGIN:**

China

**STANDARDS:**

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REACH and RoHS compliant

Halogen free

Flammability: UL1581 VW-1

UL and CE 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.
Not available in grey
512...BP = black
Not available in green/yellow
514...BP = blue
515...BP = clear
516...BP = white
517...BP = red
518...BP = yellow
519...BP = green
Not available in brown
Not available in orange

**DIMENSIONS**

Pieces 10 cm				
Part nr.	Inch	Before Ø in mm	After Ø in mm	Pcs/bag
512001BP	<sup>3</sup> / <sub>64</sub>	1,1 ± 0,20	0,5	100
512002BP	<sup>1</sup> / <sub>16</sub>	1,5 ± 0,20	0,65	100
512003BP	<sup>3</sup> / <sub>32</sub>	2,5 ± 0,20	1,0	100
512004BP	<sup>1</sup> / <sub>8</sub>	3,0 ± 0,20	1,3	100
512005BP	<sup>3</sup> / <sub>16</sub>	5,0 ± 0,20	2,3	100
512006BP	<sup>1</sup> / <sub>4</sub>	6,5 ± 0,20	3,0	100
512007BP	<sup>3</sup> / <sub>8</sub>	9,5 ± 0,30	4,5	100
512008BP	<sup>1</sup> / <sub>2</sub>	12,5 ± 0,30	6,0	100
512009BP	<sup>5</sup> / <sub>8</sub>	15,5 ± 0,40	7,5	100
512010BP	<sup>3</sup> / <sub>4</sub>	19,0 ± 0,50	9,0	100
512011BP	1	26,0 ± 0,50	12,5	100
512012BP	1 <sup>1</sup> / <sub>2</sub>	36,5 ± 1,00	17,5	100

**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 <sup>14</sup> Ω·m	UL224	Pass
Heat shock (250°C 4hrs)	No cracking	ASTM D2671	Pass
Dielectric strength	>19.7kV/mm	ASTM D2671	>25kV/mm