

## SINGLE WALL 2:1 HEAT SHRINK SLEEVE - REEL

### PART NR.

See dimensions table

### COUNTRY OF ORIGIN:

China

### STANDARDS:

REACH and RoHS compliant

Halogen free

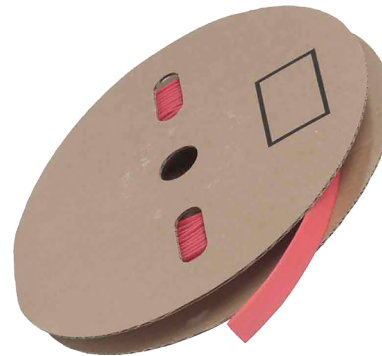
Flammability: UL1581 VW-1

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

### DIMENSIONS

Part nr.	Inch	Before Ø in mm	After Ø in mm	Mtrs/reel	UL
512001B	$\frac{3}{64}$	1,1 ± 0,20	0,5	200	✓
512002B	$\frac{1}{16}$	1,5 ± 0,20	0,65	200	✓
512003B	$\frac{3}{32}$	2,5 ± 0,20	1,0	200	✓
512004B	$\frac{1}{8}$	3,0 ± 0,20	1,3	200	✓
512005B	$\frac{3}{16}$	5,0 ± 0,20	2,3	100	✓
512006B	$\frac{1}{4}$	6,5 ± 0,20	3,0	100	✓
512007B	$\frac{3}{8}$	9,5 ± 0,30	4,5	100	✓
512008B	$\frac{1}{2}$	12,5 ± 0,30	6,0	100	✓
512009B	$\frac{5}{8}$	15,5 ± 0,40	7,5	100	✓
512010B	$\frac{3}{4}$	19,0 ± 0,50	9,0	100	✓
512011B	1	26,0 ± 0,50	12,5	50	✓
512012B	1½	36,5 ± 1,00	17,5	50	✓
512013B	2	50,8	25,4	25	✓
512014B	3	76,2	38,1	25	✓
512015B	4	101,6	50,8	25	✓

### 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