

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

PART NR.

See dimensions table

COUNTRY OF ORIGIN:

China

STANDARDS:

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.

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

Part nr.	Inch	Before Ø in mm	After Ø in mm	Pcs/bag	UL
512001BP	$\frac{3}{64}$	1,1 ± 0,20	0,5	100	✓
512002BP	$\frac{1}{16}$	1,5 ± 0,20	0,65	100	✓
512003BP	$\frac{3}{32}$	2,5 ± 0,20	1,0	100	✓
512004BP	$\frac{1}{8}$	3,0 ± 0,20	1,3	100	✓
512005BP	$\frac{3}{16}$	5,0 ± 0,20	2,3	100	✓
512006BP	$\frac{1}{4}$	6,5 ± 0,20	3,0	100	✓
512007BP	$\frac{3}{8}$	9,5 ± 0,30	4,5	100	✓
512008BP	$\frac{1}{2}$	12,5 ± 0,30	6,0	100	✓
512009BP	$\frac{5}{8}$	15,5 ± 0,40	7,5	100	✓
512010BP	$\frac{3}{4}$	19,0 ± 0,50	9,0	100	✓
512011BP	1	26,0 ± 0,50	12,5	100	✓
512012BP	$1\frac{1}{2}$	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 ¹⁴ Ω·m	UL224	Pass
Heat shock (250°C 4hrs)	No cracking	ASTM D2671	Pass
Dielectric strength	>19.7kV/mm	ASTM D2671	>25kV/mm