

# SUMITUBE™ C (UL)

[105°C rating, heat-shrinkable tubing  
(shrinks at low temperature)]  
UL recognized

Catalog No. 871 ✓ RoHS directive 10 substances

Waterproofing Flame-retarded UL recognized CSA recognized



SUMITUBE™

SUMITUBE	A
	C
	A4
	LA
	C (UL)
	D
A2	

## Basic Properties

- Material : Irradiated cross-linked flexible polyolefin
- Shrink temperature : min. 90°C
- Shrink ratio : Radial change: approx. 40%  
Longitudinal change: min. -15%
- Continuous operating temperature : -55 to 105°C

## Features

- Shrinkage at low temperature (90°C)
- Thick wall for protecting terminals

## Specifications/Approvals

### UL224

File No. E75077  
Catalog No. 871  
Rating temperature: 105°C Rating voltage: 600V

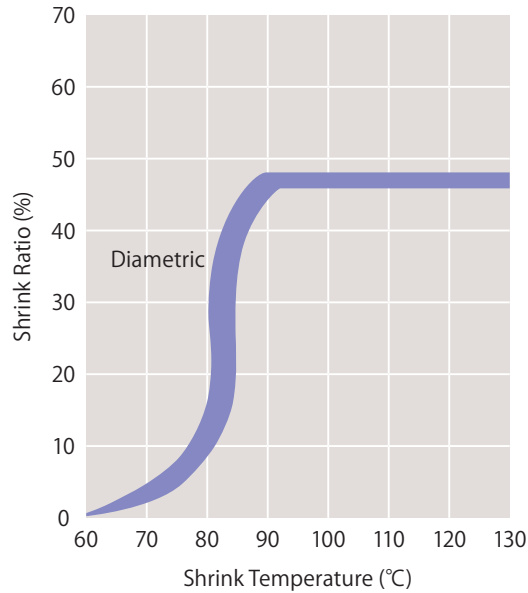
## Applications

- Insulation, protection and reinforcement for termination and joints of electric wire (especially for protecting faston terminals)

## Colors

- Clear

## Shrink Properties



## Properties [UL224]

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength (before aging)	min. 10.4MPa	21.0MPa
	Tensile strength (after aging)	136°C x 7 days, min. 7.3MPa	22.0MPa
	Elongation (before aging)	min. 200%	558%
	Elongation (after aging)	136°C x 7 days, min. 100%	667%
	Heat shock	250°C x 4 hours, no crack	Pass
Electrical	Cold bend	-30°C x 1 hour, no crack	Pass
	Dielectric withstand (before aging)	AC2.5kV x 60 sec., no breakdown	Pass
	Dielectric withstand (after aging)	136°C x 7 days, AC2.5kV x 60 sec., no breakdown	Pass
	Dielectric breakdown (before aging)	min. AC2.5kV	Pass
	Dielectric breakdown (after aging)	136°C x 7 days, min. 50% of original and min. AC2.5kV	Pass
Chemical	Volume resistivity	min. 1.0 x 10 <sup>14</sup> Ω·cm	2.2 x 10 <sup>16</sup> Ω·cm
	Corrosion against bare copper	136°C x 7 days, no corrosion after leaving under 95% humidity, 23°C x 24 hours	Pass
	Stability against copper	136°C x 7 days, elongation min. 100% after leaving under 95% humidity, 23°C x 24 hours	475%
	Flammability	Flammable	—

\*1: For reference use only

## Sizes

Trade size (mm)	As supplied (mm)		After recovered (mm)		Unit length (min.) (m)
	Inside diameter (min.)	Wall thickness (nom.)	Inside diameter (max.)	Wall thickness (min.)	
3.2 x 0.7	3.20	0.70	1.90	0.95	1
4.8 x 0.7	4.80	0.70	2.70	0.95	1
6 x 0.7	6.4	0.70	3.50	0.95	1
7 x 0.7	7.0	0.70	4.50	1.20	1

SUMITUBE

B
LB
F (Z)
F3 (Z)
NHR2
NHR4
V (300V)
V (600V)

F2 (Z)
F4 (Z)
B2
B2 (3X)
B8

K
K2

KH200 (TW)
KH230 (TW)

B6
R
AN25

SUMITUBE W

O2C
W3C

O2B2
W3F2
W3B2
W3B2 (4X)
SA2
SA3

## IRRAX™TUBE IRRAX™TAPE

A
B
F2
F2 (UL)
V2
RP3
B8
ER2
NHR
FE2
IRRAXTAPE VZL

## IRRAX™SLEEVE

SCM2
IRRAXSLEEVE SBI 300/350
SNHM

## Composite articles

SUMISEAL
SUMITUBE SA3 CAP

## Processing equipment

SUMISHRINKER / HEATING GUN

