

SUMITUBE™

A
C
A4
LA
C (UL)
D
A2

IRRAX™ TUBE FE2

[Fluoroelastomer heat-resistant tubing]

 RoHS directive 10 substances

Waterproofing

Flame-retarded

UL recognized

CSA recognized



Basic Properties

- Material: Cross-linked flexible flame-retarded fluoroelastomer
- Continuous operating temperature: -40 to 200°C

Features

- Excellent oil, high heat, and chemical resistance
- Flexible
- Flame-retarded

Specifications/Approvals

SFP standard (RE1-8792)

Applications

- Protection of wires where heat and oil resistance is required
- Protection of wiring where flexibility is required

Colors

- Black

Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength (before aging)	min. 8.2MPa	23.2MPa
	Tensile strength (after aging)	250°C x 7 days, min. 8.2MPa	10.7MPa
	Elongation (before aging)	min. 200%	220%
	Elongation (after aging)	250°C x 7 days, min. 150%	180%
	Secant modulus	—	120MPa
	Heat shock	300°C x 4 hours, no crack	Pass
Electrical	Dielectric withstand (before aging)	AC2.5kV x 60 sec., no breakdown	Pass
	Volume resistivity	min. 1.0 x 10 ¹² Ω·cm	1.5 x 10 ¹⁴ Ω·cm
Chemical	Oil resistance	Automatic transmission oil 150°C x 1,000 hours	
	Tensile strength	min. 8.2MPa	23.6MPa
	Elongation	min. 100%	233%
	Flammability	Flame-retarded	

*1: For reference use only

Sizes

Trade size (mm)	Inside diameter (mm)	Wall thickness (mm) (nom.)	Outside diameter (mm)	Unit length (m)
2.4 × 3.2	2.40 ± 0.20	0.40	3.20 ± 0.30	100 min.
4.5 × 5.5	4.50 ^{+0.30} / _{+0.50}	0.50	5.50 ^{+0.30} / _{+0.50}	100 min.
6 × 7	6.0 ^{+0.4} / _{+0.6}	0.50	7.0 ^{+0.4} / _{+0.6}	100 min.
7 × 8	7.0 ^{+0.4} / _{+0.6}	0.50	8.0 ^{+0.4} / _{+0.6}	100 min.

Longitudinal change: min. -10% (200°C x 10 minutes)

IRRAX™ TUBE
IRRAX™ TAPEA
B
F2
F2 (UL)
V2
RP3
B8
ER2
NHR
FE2
VZL

IRRAX™ SLEEVE

SCM2
SBI
300/350
SNHMComposite
articlesSUMISEAL
SUMITUBE SA3 CAPProcessing
equipment

SUMISHRINKER / HEATING GUN