

EXLON-PVC Series

EXLON-PVC AH125 Tubing

IWASE



Printing on the tubing  **IWASE AH125 PVC**



EXLON-PVC AH125 Tubing has the highest heat resistance and resistance to aging (125°C level) among Iwase's PVC series. These are high-level vinyl tubing designed for electric insulation with excellent properties, such as electric insulation properties, friction resistance, thermal deformation resistance, and non-flammability.



These products are expected to be used in the high-temperature operating environment.

- (i) For providing heat resistance, insulation, and protection of wires of electronic and electric devices.
- (ii) For protecting lead wires of transformers, magnet coils, condensers, and other devices.

Table of tubing characteristics

Items		Unit	Standard value	Performance value	Test method and other aspects
Tension test	Tensile strength	MPa	10.4 or more	15.0 or more	JIS C 2133
	Elongation	%	100 or more	200 or more	
After heat aging	Tensile strength retention rate	%	70 or more	80 or more	158°C × 7 days
	Elongation retention rate	%	70 or more	80 or more	
Dielectric strength		—	Nondestructive	Nondestructive	2,500 V × 1 minute
Cold bend		—	No crack	No crack	-10°C × 1 hour
Longitudinal change		%	5 or less	5 or less	100°C × 2 hours

* The data above are representative values and not guaranteed values.

* Recommended temperature range: -20°C to 125°C

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Standard size chart					
Size	Inner diameter (mm)	Inner diameter tolerance (mm)	Wall thickness (mm)	Thickness tolerance (mm)	Unit length (m)
4 × 5	4.0	+0.3、-0.2	0.5	±0.1	300
5 × 6	5.0	+0.3、-0.2	0.5	±0.1	300
6 × 7	6.0	+0.3、-0.2	0.5	±0.1	300
7 × 8	7.0	+0.4、-0.2	0.5	±0.1	300
8 × 9	8.0	+0.4、-0.2	0.5	±0.1	300
9 × 10	9.0	+0.4、-0.2	0.5	±0.1	200
10 × 11.2	10.0	+0.4、-0.2	0.6	±0.1	200

- The standard color for the tubing is black, and tubing are produced based on orders.
- We welcome orders for special sizes and tubing cut in various lengths.

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Self-extinguishing
property



125°C level