

EXLON-eco Series

EXLON LINK Tubing

IWASE



Characteristics

These are cross-linked polyethylene tubing developed with Iwase's unique production technologies.

LINK Tubing have the thermal deformation resistance that compares with products with radiation crosslinking while taking advantage of the excellent electric insulation performance of polyethylene.



Varnish
resistance

Varnish resistance

These tubing have excellent chemical resistance (such as against varnishing) to be used as lead wire protection tubing when varnishing is required.



Stress cracking
resistance

Stress cracking resistance

These tubing have excellent resistance against stress-induced fatigue fracture or cracks on materials in comparison to non-cross-linked polyethylene.



90°C level

90°C level

The heat resistance is at the 90°C level.

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Tubing and materials property chart			
Items	Unit	Properties-value	Test method and other aspects
Tensile strength	MPa	10.4 or more	JIS C 2133
Elongation	%	200 or more	
After heat aging	Tensile strength retention rate	MPa	136°C × 168 hours
	Elongation retention rate	%	
Dielectric strength	—	Acceptable	2,500 V × 1 minute
Volume resistivity	Ω-cm	10 ¹⁰ or more	JIS C 2133

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

* Recommended temperature range: -30°C to 90°C

Standard size chart					
Size	Inner diameter (mm)	Inner diameter tolerance (mm)	Wall thickness (mm)	Thickness tolerance (mm)	Unit length (m)
4 × 4.6	4.0	+0.2, -0.15	0.3	± 0.05	400
5 × 5.6	5.0	+0.3, -0.2	0.3	± 0.05	300
6 × 6.6	6.0	+0.3, -0.2	0.3	± 0.05	300
7 × 7.6	7.0	+0.4, -0.2	0.3	± 0.05	300
8 × 8.8	8.0	+0.4, -0.2	0.4	+0.08, -0.05	200
9 × 9.8	9.0	+0.4, -0.2	0.4	+0.08, -0.05	200
10 × 10.8	10.0	+0.4, -0.2	0.4	+0.08, -0.05	200

- Black is the standard color of the tubing.
- Please contact us for other colors, special sizes, and tubing cut in different lengths.

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Varnish
resistance



Stress cracking
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90°C level