FITCO

FITCO S.A. was established in 1978 and has since been actively involved in the processing of copper alloy products. It is a subsidiary of Halcor S.A., one of the leading European copper processing companies. Halcor Group represents the copper segment of Valbruna S.A., a Belgium-based holding company of leading metal processing companies across Europe.

FITCO is active in more than 50 countries through an international network of subsidiaries, agents and distributors. It is certified according to ISO 9001:2008 and is committed to promoting technological development and environmental protection. It also has an Environmental Management System and a Health and Safety System certified according to ISO 14001:2004 and OHSAS 18001:2007, respectively.
Copper Alloy wire
for Aquaculture Applications

Copper Alloy wire is specifically engineered for aquaculture applications. This special copper alloy wire is subsequent vessel main chain, the Ironorphana by special formation machinery. Not used for ordinary wire have been shown to provide a service life of more than 15 years.

The U305 wire has unique properties.

1. High strength, melting resistance, and high electrical and thermal conductivity with high corrosion resistance.
2. Stable physical and chemical properties even under adverse conditions.
3. Capable of forming a lattice of copper caps, wires, and lanterns, first shells and the like.

Technical description

To manufacture this special wire, a copper alloy is used consisting mainly of copper, alloy, and iron. This alloy wire, to a certain range between 95% and 100%, is formed into a net by special formation machinery to form a design with square or square-hexagonal.}

Copper Alloy wire

- Very strong
- High resistance
- Anti-corrosive
- Non-blooming
- Corrosion-resistant
- Wear-resistant
- Environmentally friendly
- Fully recyclable

Alloy Wire (C45410W) Specifications

<table>
<thead>
<tr>
<th>Chemical Composition</th>
<th>Cu</th>
<th>Ni</th>
<th>Mn</th>
<th>Si</th>
</tr>
</thead>
<tbody>
<tr>
<td>U305</td>
<td>98</td>
<td>2</td>
<td>0.5</td>
<td>0.5</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical Properties</th>
<th>Alloy</th>
<th>Product</th>
<th>Diameter</th>
<th>Tensile Strength</th>
<th>Elongation</th>
</tr>
</thead>
<tbody>
<tr>
<td>U305</td>
<td>Wire</td>
<td>0.4-0.6 mm</td>
<td>81 H</td>
<td>54</td>
<td>66</td>
</tr>
</tbody>
</table>
Copper Alloy net improves the aquaculture conditions, productivity and sustainability for the farming of a wide variety of fish species (i.e. salmon, trout, sea bream, sea bass etc.) Due to its natural properties, URSOL® net presents an ideal solution for both surface and submersible marine aquaculture colonies for near and offshore sites.

*Unlocking the future of fish farming*
Copper Alloy net

Delivering Benefits to Fish Farmers

- SGR: 15% increase
- Predator attacks: down to < 0.1%
- Labour hours/tonne: 79% reduction
- On-site energy use: 15% reduction
- Mortality: less than 4%
- FCR: 15% improvement
- Feed use: 10% reduction
- Antibiotics: 31% reduction

Preserves the marine environment
Respects biodiversity
Reduces

> Biodiversity
> <i>maintaining</i> energy inputs sustainable
> waste and material sent to landfill

Fully recyclable

Environmental benefits of copper alloy net

FITCO

Extech M Wall Works