Brass FLRMSY
The alternative conductor material for vehicle signal lines

A traditional material with a new application.

Benefits
■ superior tensile strength
■ reduced conductor cross section from 0.35 mm² to 0.22 mm² with minimum tensile strength of 70 N
■ saving in weight of around 1.5 kg/km
■ higher flexlife as copper

Applications
■ Signal lines

Comparison table brass to copper:

The main properties in comparison to copper:

<table>
<thead>
<tr>
<th>Property</th>
<th>Brass</th>
<th>Cu-ETP1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (at 20 °C)</td>
<td>8.5 g/cm³</td>
<td>8.92 g/cm³</td>
</tr>
<tr>
<td>Electric conductivity</td>
<td>26 % %, IACS</td>
<td>100 % %, IACS</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>&gt; 350 N/mm²</td>
<td>&gt; 220 N/mm²</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>&gt; 17 %</td>
<td>&gt; 16 %</td>
</tr>
</tbody>
</table>

* Values for wire 0.22 mm² (7 x 0.20 mm)

Comparison of reversed bending strength:

- Insulated wire red 0.35 mm², copper
- Insulated wire yellow 0.22 mm², copper
- Insulated wire yellow 0.22 mm², brass

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