### Mechanical Properties

<table>
<thead>
<tr>
<th>DMA Symbol</th>
<th>BD01</th>
<th>BD03</th>
<th>BD06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile strength in N/mm²</td>
<td>260 - 320</td>
<td>270 - 330</td>
<td>280 - 340</td>
</tr>
<tr>
<td>Elongation soft A100 in %</td>
<td>&gt; 30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Soft**
- **Hard**
- **Springhard**
- **Extra springhard**
- **Super springhard**

### Typical Applications
- Conductor wire
- Harness wire
- Flat wire
- Special screws
- Pressed parts
- Rivets

### About the Alloy
- Wire of low-alloyed phosphor bronze has a good electrical conductivity and a better softening behaviour than copper.
- Wire made of this alloy is therefore used for conductive wire in electrical and electronic components and harness wire in vehicles.

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<tr>
<td>Electrical conductivity in % IACS (soft condition)</td>
<td>&gt; 80</td>
<td>68</td>
<td>63</td>
</tr>
<tr>
<td>Electrical conductivity in MS/m</td>
<td>46.4</td>
<td>39.4</td>
<td>36.5</td>
</tr>
<tr>
<td>Density in g/cm³</td>
<td>8.9</td>
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* Reference values

### Available Dimensions

- **Rolled, modified square wire**
  - 5.1 mm
  - max. 2000 kg
  - 7.4 mm

- **Round wire**
  - 1.2 - 6.2 mm in coils
  - max. 200 kg
  - 1.8 - 6.2 mm on stands
  - max. 1500 kg
  - 0.5 - 3 mm on reels
  - max. 1000 kg
  - 1.5 - 3 mm on acropaks
  - max. 400 kg
  - On request: in drums
  - max. 400 kg