

## Standardization and composition

### Mechanical properties of the weld joint (standard data)

|                                                        |               |
|--------------------------------------------------------|---------------|
| ISO 24373                                              | CuSn8P Cu5210 |
| Heat treatment                                         | non treated   |
| Tensile strength (MPa)                                 | 260           |
| Elongation (%)                                         | 20            |
| Brinell hardness (HB 2.5/62.5)                         | 80            |
| Notched bar impact test (Av (J))                       | 32            |
| Resistivity ( $\Omega \times \text{mm}^2 / \text{m}$ ) | 0.125 - 0.167 |
| ISO 24373                                              | CuSn8P Cu5210 |
| Cu                                                     | balance       |
| Sn                                                     | 7.60 - 8.00   |
| P                                                      | 0.05 - 0.10   |
| Others                                                 | max. 0.5      |

### Physical properties

|                                                                  |               |
|------------------------------------------------------------------|---------------|
| Density ( $\text{kg}/\text{dm}^3$ )                              | 8.8           |
| Melting range ( $^{\circ}\text{C}$ )                             | 875 - 1025    |
| Thermal conductivity ( $\text{W} / \text{m} \times \text{K}$ )   | 67            |
| Coefficient of linear mean expansion ( $10^{-6}/\text{K}$ )      | 18.5          |
| Electric conductivity ( $\text{m} / \Omega \times \text{mm}^2$ ) | 6 - 8         |
| Resistivity ( $\Omega \times \text{mm}^2 / \text{m}$ )           | 0.125 - 0.167 |

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## Delivery options

bedra

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| Make-up              | Weight/Length | Dimension      |
|----------------------|---------------|----------------|
| Drum / bedrabox      | 175 - 200 kg  | 0.80 - 1.60 mm |
| SD300 / BS300 / K300 | 12 - 15 kg    | 0.80 - 2.40 mm |
| H500 / H560 / H760   | 150 - 250 kg  | 0.80 - 2.40 mm |
| Coils                | 25 - 100 kg   | 1.60 - 6.00 mm |
| Rods                 | 250 - 3000 mm | 1.60 - 6.00 mm |
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