

## Luvata Rolled Products Copper and Copper Alloys

### Copper and low alloyed copper

| ISO            | Luvata/Trade name | UNS    | EN     | JIS   | Typical application                       |
|----------------|-------------------|--------|--------|-------|---|
| Cu-OFE         | OFE-OK            | C10100 | CW009A |       | Vacuum, bonding and pcs's applications    |
| Cu-OF          | OF-OK             | C10200 | CW008A | C1020 | Telecom & Electrical applications         |
| Cu-HCP         | Cu-HCP / SM0013   | C10300 | CW021A |       | Telecom & cable wrap. 98.3% IACS          |
| Cu-XLP         | Cu-PHC / SM0011   | C10300 | CW020A |       | Telecom & cable wrap. 100% IACS           |
| CuAg0.04 (OF)  | CuAg0.04 (OF)     | C10400 | CW017A |       | Commutator                                |
| CuAg0.045 (OF) | CuAg0.045 (OF)    | C10500 | CW017A |       | Commutator                                |
| CuAg0.05 (OF)  | CuAg0.05 (OF)     |        |        |       | Commutator                                |
| CuAg0.10P      | CuAg0.10P         | C10700 | CW016A |       | Mould Plate                               |
| CuAg0.10 (OF)  | CuAg0.10 (OF)     | C10700 | CW019A |       | Electrical applications e.g. transformers |
| Cu-ETP         | Cu-ETP            | C11000 | CW004A |       |   |
| Cu-STP         |                   | C11300 |        |       |   |
| Cu-DLP         | Cu-DLP            | C12000 | CW023A | C1201 | Telecom                                   |
| Cu-DHP         | Cu-DHP            | C12200 | CW024A | C1221 | AC tubes                                  |
| Cu-DHP         | SM0028            | C12210 | CW024A | C1220 |   |
| CuTe0.02Sn0.02 | SM0300            | C14530 |        |       | Heat exchanger & connectors               |
| CuSn0.04       | SM0700            |        |        |       | Heat exchanger                            |
| CuSn0.09       | SM0701            |        |        |       | Heat exchanger and flexible contacts      |
| CuSn0.12       | SM0702            | C14415 | CW117C |       | Heat exchanger and connectors             |
| CuFe0.1P0.03   | KFC               | C19210 |        |       | Electrical contacts & connectors          |

### Brass

| ISO      | Luvata/Trade name    | UNS    | EN     | JIS    | Typical application |
|----------|----------------------|--------|--------|--------|---------------------|
| CuZn5    |                      | C21000 | CW500L |        |                     |
| CuZn10   | SM1090               | C22000 | CW501L | C2200  |                     |
| CuZn15   | SM1085, Nordic Brass | C23000 | CW502L | C2300  | Building purposes   |
| CuZn20   |                      | C24000 | CW503L | C2400  |                     |
| CuZn30   | SM1070               | C26000 | CW505L | C2600  |                     |
| CuZn30As | SM2870               | C26130 | CW707R | CW707R |                     |
| CuZn33   | SM1067               | C26800 | CW506L | C2680  |                     |
| CuZn35   | SM1065               | C27000 |        | C2700  |                     |
| CuZn35P  | SM2965               |        |        |        |                     |
| CuZn37   | SM1063               | C27200 | CW508L | C2720  |                     |
| CuZn40   |                      | C28000 | CW509L |        |                     |

### Alloyed brass

| ISO              | Luvata/Trade name | UNS    | EN | JIS   | Typical application |
|------------------|-------------------|--------|----|-------|---------------------|
| CuZn11.5Sn1      |                   | C42200 |    |       | Connectors          |
| CuZn9.5Sn2       |                   | C42500 |    | C4250 | Connectors          |
| CuZn14Fe0.8Sn0.8 | OCPX              | C66430 |    |       | Connectors          |

### Copper Tin alloys

| ISO                  | Luvata/Trade name | UNS    | EN     | JIS | Typical application              |
|----------------------|-------------------|--------|--------|-----|----------------------------------|
| CuSn2Fe0.1P0.03      | KLF-5             | C50715 |        |     | Connectors                       |
| CuSn2Zn2.2Fe0.1P0.03 | KLF-5Z            | C50725 |        |     | Connectors                       |
| CuSn4                |                   | C51100 | CW450K |     | Electrical contacts & connectors |
| CuSn5                |                   | C51000 | CW451K |     | Electrical contacts & connectors |

### Special alloys CuproBraz

| ISO         | Luvata/Trade name | UNS    | EN | JIS | Typical application     |
|-------------|-------------------|--------|----|-----|-------------------------|
| CuCr0.2     | SM0502            |        |    |     | CuproBraz fin material  |
| CuZn14Fe0.9 | SM2385            | C66420 |    |     | CuproBraz tube material |
| Cu64ZnNi3   | SM2464            | C74400 |    |     | CuproBraz tank & header |

### Special Bronze

| ISO         | Luvata/Trade name | UNS | EN | JIS | Typical application |
|-------------|-------------------|-----|----|-----|---------------------|
| CuAl5Zn5Sn1 | Nordic Royal      |     |    |     | Building purposes   |

### Special High Performance Alloys

| ISO                          | Luvata/Trade name | UNS    | EN     | JIS | Typical application |
|------------------------------|-------------------|--------|--------|-----|---------------------|
| CuSn1.2Ni0.8P0.07            | CAC5              | C19040 |        |     | Connectors          |
| CuNi1.8Si0.4Zn1.1Sn0.1Mg0.01 | CAC60             | C64060 |        |     | Connectors          |
| CuNi2Si0.4                   |                   | C70260 | CW111C |     | Connectors          |