



# CEWELD Cu 58

| TYPE                                              | Pure copper wire for welding applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|----------------------|--------------------|-------------------------|----------|--------------------|-------------------------|----------|-----|----|----|-----|
| APPLICATIONS                                      | continious resistance welding of steel plates, metal cans etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| PROPERTIES                                        | • High quality 99.9% pure copper wire • Excelent electrical conductivity • Excellent corrosion resistance                                                                                                                                                                                                                                                                                                                                                                                                              |                |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| CLASSIFICATION                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| SUITABLE FOR                                      | Sudronic welding of steel cans and sheet metal in general metal fabrication. Usualy the wire is in the F21 condition.                                                                                                                                                                                                                                                                                                                                                                                                  |                |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| APPROVALS                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| WELDING POSITIONS                                 | <div>     </div> |                |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | <table><tr><td>Cu</td><td>Pb</td><td>O</td></tr><tr><td>99.9</td><td>0.005</td><td>0.04</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                              | Cu             | Pb                      | O                    | 99.9               | 0.005                   | 0.04     |                    |                         |          |     |    |    |     |
| Cu                                                | Pb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | O              |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| 99.9                                              | 0.005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.04           |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| MECHANICAL PROPERTIES                             | <table><tr><th rowspan="2">Heat Treatment</th><th rowspan="2">R<sub>p0,2</sub> (MPa)</th><th rowspan="2">R<sub>m</sub> (MPa)</th><th rowspan="2">A<sub>5</sub> (%)</th><th>Impact Energy (J) ISO-V</th><th rowspan="2">Hardness</th></tr><tr><th>RT</th></tr><tr><td>As Welded</td><td>200</td><td>300</td><td>40</td><td>60</td><td>HRc</td></tr></table>                                                                                                                                                             | Heat Treatment | R <sub>p0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Impact Energy (J) ISO-V | Hardness | RT                 | As Welded               | 200      | 300 | 40 | 60 | HRc |
| Heat Treatment                                    | R <sub>p0,2</sub> (MPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                         |                      |                    | R <sub>m</sub> (MPa)    |          | A <sub>5</sub> (%) | Impact Energy (J) ISO-V | Hardness |     |    |    |     |
|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | RT             |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| As Welded                                         | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 300            | 40                      | 60                   | HRc                |                         |          |                    |                         |          |     |    |    |     |
| REDRYING                                          | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |
| GAS ACC. EN ISO 14175                             | I1, I3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                         |                      |                    |                         |          |                    |                         |          |     |    |    |     |



# CEWELD Cu 58

CU 58 1,0MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663408174 |

CU 58 2,0MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| Drum      | 250     | 8720663408167 |