



## MWC-28 (CuAl8)

### Comparable specifications

**EN ISO 24373:** Cu6100 (CuAl7)  
**AWS A5.7:** ERCuAl-A1  
**BS 2901:**Pt 3 C28 (Obsolete Specification now CuAl7)

### Description and applications\*

\* Illustrative, not-exhaustive list

Copper based aluminium bronze wire containing nominally 8% aluminium.  
Predominantly used for surfacing applications rather than joining  
Exhibits good wear resistance under light loads and good corrosion resistance against a range of corrosive media.

### Weldable base materials\*

\* Illustrative, not-exhaustive list

Aluminium bronzes, eg:  
Predominantly used for surfacing of aluminium bronzes and CMn steel.

### Typical mech. properties of Weld (2)

\* For reference only values

**Tensile strength (Rm):** 430MPa      **0.2% proof stress Rp0.2%:** 250MPa  
**Elongation 5d:** 40%

### Chemical composition\*

\* For reference only values

Cu	Al
Balance	8.0

### Typical Heat Treatment (1)

Preheat: For aluminium bronzes not required.  
Interpass temperature: For aluminium bronzes  
200°C maximum.

### Notes:

- (1) Application codes and project specifications should always be referred to for specific requirements.
- (2) Actual mechanical properties will be dependent on specific welding procedure (including shielding gas, flux, PWHT etc) and should always be confirmed by approval of an appropriate welding procedure.

