

IABCO C29

MIG/GMAW and TIG/GTAW copper base wire

Product name	IABCO C29
Classification EN ISO	24373: Cu6327 (CuAl8Ni2Fe2Mn2)
Material No.	2.0922
Classification BS	2901 pt 3: C29 (obsolete specification)
Applications	Copper based aluminium bronze wire containing nominally 8% aluminium, with additions of iron, manganese and nickel that provide improved strength and abrasion resistance. Predominantly used for surfacing applications rather than joining Exhibits good wear resistance and good corrosion resistance against a range of corrosive media, particularly seawater.
Base materials	Predominantly used for surfacing of aluminium bronzes and CMn steel. Joining aluminium bronzes.
Typical analysis of wire, weight %	Cu: Balance Al: 8.0 Fe: 2.1 Mn: 2.1 Ni: 2.1
Typical heat treatment ⁽¹⁾	Preheat: Generally not required. Interpass: Normally 150°C maximum.
Typical mechanical properties of weld ⁽²⁾	0.2% proof stress Rp0.2%: 275MPa Tensile strength Rm: 530MPa Elongation 5d: 30%
Other products	-

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.