

## IABCO C26

### Copper base wire

Product name	IABCO C26	
Classification EN ISO	24373:	Cu6328 (CuAl9Ni5Fe3Mn2)
Material No.	2.0923	
Classification AWS	A5.7:	ERCuNiAl
Applications	Copper base wire, commonly referred to as nickel aluminium bronze. High-strength alloy; seawater, wear and abrasion resistant. Resistant to cavitation and erosion. Joining and overlay welding on aluminium bronzes. Particularly suited for ship propellers, slide rails, valve gear housings.	
Base materials	Nickel aluminium bronze alloys. ASTM: C6300, C63200, C95500, C95520, C95800. BS: AB2, CA104, CA105. EN: 2.0966, 2.0970, 2.0978, 2.0980. Cladding: surfacing a wide range of steels.	
Typical analysis of wire, weight %	Al:	9.0
	Ni:	5.0
	Fe:	3.5
	Mn:	1.5
Typical heat treatment <sup>(1)</sup>	Preheat:	Not required.
	Interpass:	150°C.
Typical mechanical properties of weld <sup>(2)</sup>	0.2% proof stress Rp0.2%:	400MPa
	Tensile strength Rm:	740MPa
	Elongation 4d/5d:	18%
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.