



Nexus NiCu

NiCu wires for MIG and TIG welding Weathering steels

Low alloy copper coated solid MIG/TIG wires for joining and overlaying weather resistant materials of similar compositions.

International Standards

	ISO 16834 - A - :2007	AWS A5.28- 05
TIG	WMn3Ni1Cu (modified Si)	ER 80S-G
MIG	GMn3Ni1Cu (modified Si)	ER 80S-G

Typical Wire Analysis (wt%)

C	Si	Mn	S	P	Ni	Cu
0.08	0.80	1.40	0.011	0.012	0.80	0.40

Typical All-Weld Metal Mechanical Properties

Yield Strength N/mm²	Tensile Strength N/mm²	Elongation %	Impact Strength -20°C
≥450	≥550	≥22	≥47J

Welding Positions

All Positions including vertical down
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Materials

Corten A, B S235JRW, S355J2GIW, 9CrNiCuP3-2-4
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Packaging

Size mm	1.6	2.4	3.2
Plastic 5 kilo Tube	✓	✓	✓

Size mm	0.8	1.0	1.2
Metal spools 15 kilo	✓	✓	✓

Additional Information

Certification	BS EN 10204:2004 Type 3.1
Material safety data sheet	MSDS 11
BOC Shielding Gas MIG	Argoshield Light (<4mm) Universal (2-10mm) Heavy (>9mm)
BOC Shielding Gas TIG	Pureshield Argon