

# ESAB MW1

## A Cu coated solid wire for GMAW

Classification AWS A5.18: ER70S-6  
EN ISO 14341-A: G 3Si1

### DESCRIPTION

ESAB MW1 is a copper coated, Mn-Si alloyed solid wire for GMAW of non alloyed steels, used in general construction, automotives, ship building and pressure vessel fabrication. The wire has a carefully controlled wire chemistry and a unique surface technology providing superior weld metal quality at high wire feed speeds and at high welding currents.

**WELDING CURRENT:** DC+

**APPROVALS:** ABS, DNV, IBR, IRS, LRS, MMD, MN Dastur & NPC

**SHIELDING GAS:** 100%CO<sub>2</sub> or 80%Ar/20%CO<sub>2</sub>

### TYPICAL PROPERTIES

Wire Composition (Wt.%)		All Weld Mechanical Properties	
C	0.08	YS (N/mm <sup>2</sup> )	450
Si	0.85	UTS (N/mm <sup>2</sup> )	560
Mn	1.45	Elongation (%)	24
Cu	0.25	Impact (CVN) @ -30°C (Joules)	50

### CURRENT RANGE & PACKING DATA

Size (mm)	Current (Amp)	Voltage (V)	Packing in Kg.				
			12.5	15.0	17.5	100	250
0.8	60-220	17-25	✓	✓	×	✓	×
1.2	90-330	18-30	×	✓	✓	✓	✓
1.6	120-440	20-36	✓	×	×	×	✓
2.0	150-550	21-41	✓	×	×	×	×

**PACKING:** The wire can be supplied in plastic or wire basket spool packed in a cardboard box weighing 12.5/15.0/17.5 kg or Marathon Pac weighing 100/250 kg or Bobbins weighing 200 kg.