

KM-58

Classification

AWS A 5.18/A5.18M	ER70S-G/ER49S-G
JIS Z3312	YGW11
EN ISO 14341-A	G42 0 C1 Z
GB T8110	ER50-G

Shielding Gas:100% CO₂**Applications and Features**

- (1) KM-58 is a copper coated wire for welding 490N/mm² grade steel.
- (2) Ti addition in the wire reduces droplet size, stabilizes the arc and decreases spatter at high current.
- (3) Suitable for high-current welding of thick plate butt joints, fillet welding and horizontal welding.
- (4) Ideal for welding steel structure, ship-building, bridge and machinery.

Welding Position**Welding Instruction**

Please refer to Appendix B.

Typical Chemical Composition of Wire (wt%)

C	Si	Mn	P	S	Ti
0.07	0.78	1.52	0.014	0.014	0.21

Typical Mechanical Properties of Weld Metal

Tensile Strength	Yield Strength	Elongation	Charpy V-Notch	
N/mm ²	N/mm ²	%	°C	J
588	520	29	0	98

Size and Suggested Operating Range (DC+)

Diameter (mm)	1.2	1.4	1.6	
Current (A)	F/HF	100~350	150~450	200~550
	H	100~300	150~350	200~400