

FOR HIGH TENSILE
STRENGTH STEEL

AWS ER70S-G
JIS YGW11
KS YGW11

KC-26

Typical applications

Butt and fillet welding of vehicles, electric products, ships, machinery and bridges.

Characteristics on Usage

- ① A solid wire for high current welding in all positions.
- ② Stable arc and low spatter.
- ③ Suitable for high speed welding of thick plates.
- ④ Good crack resistance of the deposited weld metal.

Typical chemical composition of wire (%)

C	Si	Mn	P	S
0.06	0.80	1.53	0.014	0.010

Typical mechanical properties of all-weld-metal

Shielding Gas:	Y · P	T · S	El	Charpy V-notch
	N/mm ² {kgf/mm ² }	N/mm ² {kgf/mm ² }	(%)	J {kgf · m} (-18°C)
CO ₂	490 {50}	560 {57}	29	110 {11}
Ar+20%CO ₂	520 {53}	580 {59}	30	120 {12}

Sizes available and recommended currents (DC wire⊕)

Dia.	(mm)	0.9	1.0	1.2	1.4	1.6
Amp.	F	50~200	70~250	100~350	140~400	200~550
	V&OH	50~120	50~150	50~180	100~250	120~300

Package

Dia.	(mm)	0.8	0.9	1.0	1.2	1.4	1.6
Spool	(kg)	5, 15, 20					
Pailpack	(S)	200, 250		250, 300,		-	
Pailpack	(B)	-		350,400,450			

Approved by

ABS, BV, DNV, GL, KR, LR, NK, JIS, KS
(80%Ar + 20% CO₂ : NK, JIS, KS)