

## Description

ES EL12 is a copper-coated, mild steel wire for submerged arc welding.

It can be combined with the following fluxes:

ES FLUX 171, ES FLUX 180

ES FLUX 181 and ES FLUX 900.

ES EL12 is especially for use in combination with ES FLUX 180 and ES FLUX 181 in the shipbuilding industry, for the butt welding in material from 10 to 30 mm thickness and especially thin plate (e.g. LPG cylinder).

## Classifications

SFA/AWS A5.17	EL12
EN 756	S1

## Typical all weld metal composition, %

C	Si	Mn
0.09	<0.1	0.5

## Classifications

FLUX + WIRE	AWS	EN
ES FLUX 180	F7AZ-EL12/F7PZ-EL12	S 42 A AR S1
ES FLUX 181	F7A2-EL12/F6P0-EL12	S 38 0 CS S1
ES FLUX 900	F6A4-EL12/F6P5-EL12	S 35 4 AB S1