

ABSTRACT

Provided is a flux-cored wire for gas shielded arc welding, wherein the flux-cored wire is suitable for the welding of hydrochloric acid dew-point corrosion-resistant steel, and a welded metal having excellent hydrochloric acid corrosion resistance can be obtained using the flux-cored wire. The flux-cored wire for gas shielded arc welding has a steel shell filled with a flux, contains C, Si, Mn, S, Cu, Ni, Sb, P, and Cr, respectively in predetermined ranges, contains 0.05-0.35 mass% of Mo and 0.005-0.300 mass% of Co, with respect to the total mass of the wire, and satisfies expression (1). (1): $57 \times [\text{Mo}] + 221 \times [\text{Co}] \geq (15)$, where [Mo] represents the content (mass%) of Mo in the steel shell and the flux with respect to the total mass of the wire, and [Co] represents the content (mass%) of Co in the steel shell and the flux with respect to the total mass of the wire.