



TABLE 1. PRACTICAL GALVANIC SERIES WITH ELECTRON AND CURRENT DIRECTION			
Material	Potential (V vs. a Copper/Copper Sulfate [Cu-CuSO <sub>4</sub> ] Reference Electrode)	Electron Direction in the Conductor	Conventional Current Direction in Conductor
High-potential magnesium	-1.75		
Magnesium alloy	-1.60		
Zinc	-1.10		
Aluminum alloy	-1.05		
Clean carbon steel (CS)	-0.50 to -0.80		
Rusted CS	-0.20 to -0.50		
Cast/ductile iron	-0.50		
Lead	-0.50		
Steel in concrete	-0.20		
Copper	-0.20		
High-silicon iron	-0.20		
Carbon, graphite	+0.30		