low-spin

Also contains definition of: high-spin

In any coordination entity with a particular d^n ($1<n<9$) configuration and a particular geometry, if the n electrons are distributed so that they occupy the lowest possible energy levels, the entity is a low-spin complex. If some of the higher energy d orbitals are occupied before all the lower energy ones are completely filled, then the entity is a high-spin complex.

Source:
PAC, 1997, *69*, 1251 *(Glossary of terms used in bioinorganic chemistry (IUPAC Recommendations 1997))* on page 1283