ABSTRACT

One object of the present invention is to provide copper fine particles which have sufficient dispersibility when made into a paste and can be sintered at 150°C or lower, the present invention provides copper fine particles, wherein the copper fine particles have a coating film containing copper carbonate and cuprous oxide on at least a part of the surface thereof, and a ratio between the following Db and the following Dv (Db/Dv) is in a range of 0.50 ~ 0.90, Dv: an average value (nm) of the area equivalent circle diameter of the copper fine particles obtained by acquiring SEM images for 500 or more copper fine particles using a scanning electron microscope, and calculating by image analysis software, Db: a particle size (nm) of the copper fine particles obtained by measuring a specific surface area (SSA (m^2/g)) of the copper fine particles using a specific surface area meter, and calculating by the following formula (1),

$Db = 6 / (SSA \times \rho) \times 10^9$ … (1) in the formula (1), ρ is a density of copper (g/m^3).