

Abstract

In a general aspect, an electrical device assembly (e.g., a battery module) can include a first electrical contact surface, a second electrical contact surface, and a ribbon wire extending along a longitudinal axis. The ribbon wire can include a first portion, a second portion and a third portion. The first portion of the ribbon wire can be coupled with the first electrical contact surface via a first wedge bond. The second portion of the ribbon wire can be coupled with the second electrical contact surface via a second wedge bond. The third portion of the ribbon wire can extend between the first portion and the second portion. The first portion can have a first width transverse to the longitudinal axis of the ribbon wire, and the third portion can have a second width transverse to the longitudinal axis, the first width being greater than the second width.