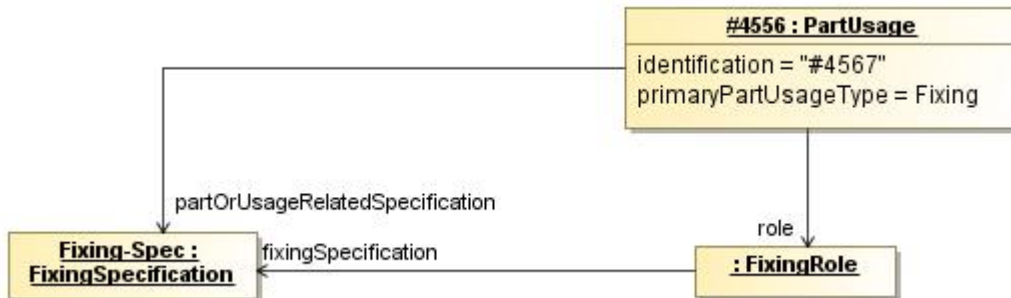


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3.3 Instantiation of Specifications without Part Number



As mentioned in the example before, there are use cases where it is necessary to define properties of component (instance), without having a concrete part number. This is quite common for example in the electrological design, where for example the cross section area of a wire is specified, but the colouring of the wire is not yet known. In these cases the requirements for component have to be defined without having a concrete *PartVersion*.

For these cases, the VEC offers the concept of *PartUsages*. A *PartUsage* behaves like a *PartOccurrence* (it has instance specific attributes and can define *Roles*), but it is not necessary to reference a *PartVersion*. Instead it is possible to directly reference the needed specifications, which represent the requirements on the concrete component, selected later in the process.

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Last update: 2016/05/12 14:27

