

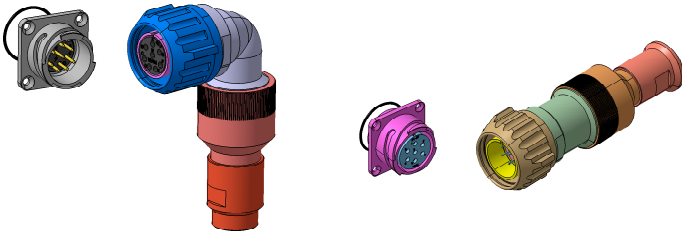
# APPLICATION NOTE

[www.ittcannon.com](http://www.ittcannon.com)**WCML Connector****January 2008**

## The Challenge

Initially developed for High Speed Virgin trains in the United Kingdom, FRCIR connectors of the WCML series were successfully used on several other high speed trains including Pendolino (Italy) and EMU China (China). Customers challenged ITT to design a cost effective solution in the extremely demanding connection system for car boogies. Customer requirements dictated the grouping of single wires shielding and connection with the shell.

### *FRCIR WCML 90° mating and straight mating*



## The ITT Solution ...

ITT Interconnect Solutions VEAM designed the FCIR WCML mating with stainless steel shells to accommodate this requirement. VEAM also designed a specific solution to group multiple single wires shielding into the connector shell. A wide choices of accessories is available to cope with jacketed cables, rubber conduits, and single wires.

## Product Features

- Protection degree IP67
- Female contacts suitable also for very low current (to avoid current interrupts)
- Crimped gold plated contacts
- Rubber covered coupling nut
- Double grommet for extra sealing
- Sizes 20,24, 28, 36 available
- Shielding kit included

## Applications

- Transit car boogies
- Single wires shielding grouping
- Low currents
- Harsh environments

### ***For application assistance, please contact:***

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