



UJ Series Connector Introducing the Power Joint System

V250 Train: An Albatross flying on the Dutch Railways

Glenair supplies connectors and interconnect systems for the V250 High Speed Trains which connect the cities of Amsterdam and Brussels. These trains are completely in conformity with the European Technical Specification of Interoperability—they can adapt to the different voltages of the various European railway networks.



V250 is an Italian family of tilting trains manufactured by AnsaldoBreda

V250 train combines the benefits of high-speed rail (travel times and service levels) with those of metropolitan travel (frequency and accessibility), providing competitive mobility solutions.

Also known as the Albatross, the V250 is a high-speed train to be built by AnsaldoBreda and styled by Pininfarina.

Designed to express speed, brightness, convenience and comfort, the V250 operates on the newly built HSL-Zuid in the Netherlands and its extension HSL 4 in Belgium.

The Albatross name is a reference to the top speed of the trains, 250 km/h. While this is slower than other high-speed trains, it is higher than the current top speed for Dutch trains of 140 km/h. The distinctive styling of the trains has sometimes been compared to a platypus!

Like Hercule Poirot, Glenair Solves Another One on the Orient Express

Glenair application engineers, every bit the intellectual match for retired Belgian detective Hercule Poirot, were asked to solve not a crime, but a serious problem involving an emergency braking system upgrade on the Orient Express. A complicated interplay of hydraulics, pneumatics and mechanics, the braking system solution had to fit within very limited space, and the train is, of course, a much-revered and valuable historical artifact.



The case was solved with Glenair ITS reverse bayonet connector cables and flange mount receptacles. Plugs with cable clamp backshells mated to receptacles mounted on existing metal junction boxes, along with a specially-designed, corrosion-free and EMI/RFI-protected Glenair Composite Junction Box, factory wired to an internal termination block. Glenair engineered a solution to a modern braking system problem, fully integrated into a historical train.

IC4 Train : Low Emission Diesel Engine with Common Rail Injection

The IC4 is an inter-city train built by Italian AnsaldoBreda for the trans-Great Belt routes of Danske Statsbaner (DSB), Denmark's national railway operator. Glenair is one of the main suppliers of Connectors and Interconnection Systems for this train.



UJ1 AND UJ2 POWER JOINT CONNECTION SYSTEM

Offers the possibility to connect medium and high power cables without the need for bulky junction boxes. The UJ Power Joint System offers the same environmental protection with substantial size and weight savings.

Alternative to Junction Boxes!



Dimension Reduction!



	UJ Series	Junction Box
Dimensions	Small	Regular / Big
Weight	Light	Heavy
Protective Varnish	No	Yes
Modularity	Yes	No
Environmental	Yes	Yes
Electrical Performance	Yes	Yes
Cost Reduction	Yes	No
Temperature Range	High	Standard