

## Fast Facts

### ABCIRH (Incl. ABCIRHSE) Series

The AB Connectors Industrial Range (H - halogen free) is based on the products covered by the American Mil-C-5015 and conforms to the German VG95234 specifications. Interchangeable with corresponding types conforming to VG95234. Contact arrangements from Mil-STD-1651

#### MARKET SEGMENTS

- Mass Transportation
- Signalling and Trackside
- Military
- Entertainment
- General Industrial Markets

#### APPLICATIONS

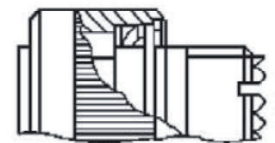
- Rolling Stock
- Equipment
- Infrastructure & signalling
- Services, upgrades and vehicle overhaul programmes
- Land based vehicles and battle field support



#### FEATURES

- Positive coupling audible 'snap' lock and by the alignment of three coloured dots on the receptacle and on the coupling nut of the plug connector.
- Comprehensive range of contact arrangements from 2 way through to 95 ways with contact sizes AWG16, 12, 8, and Metric contacts suitable for 10, 16, 25, 35, and 50 mm sq cables.
- Stainless steel wear pins enhance service life in severe vibration or repeated mating applications.
- Low fire hazard/halogen free rubber insulators, independently tested to European EN Standards 45545 R22/23 HL3.
- Connector shells are supplied with cadmium free plating finishes, and meet RoHS requirements.
- Connectors are tested to meet the Bulkhead Fire protection to BS 476 Part 20.
- IP67 rating provided by a dynamic seal ring under the coupling nut and a wire seal grommet at the rear of the connector.

ABCIRHSE version is the standard solution for Rail Applications, which has a wavy washer assembly, included within the coupling nut to ensure excellent continuity and shielding characteristics between mated connectors where the effects of EMI and RFI must be eliminate.



#### OUR ADVANTAGE

- 2000 mating and un-mating performance.
- Bayonet Pins have roller bearings to ease coupling forces.
- Parabolic form bayonet track gives mechanical advantage where Pins enter Sockets, and at final click feature.
- Grommets have staggered sealing webs to avoid single point swelling.
- Insert orientation is identified with coloured dots on the fixed and free connectors which align when coupled.
- A comprehensive range of backshells with a choice of locking and non-locking styles.
- Fully RFI and EMI range of parts to compliment the backshell range.
- Single part 90deg Elbows for direct fitting to connectors without needing interface.
- Gold and silver contacts are offered in all sizes.

ABCIRHSE free connectors having the wave washer system give a spring loaded positive locking audible click when coupled.

For more information visit: <http://www.ttelectronics.com/ab-connectors>