

# Fast Facts

## ABCIRH Series (Including ABCIRHSE)



The TT Electronics ABCIRH 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.

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 gives shielding characteristics between mated connectors where the effects of EMI and RFI must be eliminate. This system give a spring loaded positive locking audible click when coupled.



### MARKET SEGMENTS

- Mass transportation
- Signalling and trackside
- Military
- Entertainment
- General industrial markets

### APPLICATIONS

- Rolling stock
- Equipment
- Infrastructure and 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

### OUR ADVANTAGES

- 2000 mating and un-mating cycle 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 90°C elbows for direct fitting to connectors without needing interface
- Gold and silver contacts are offered in all sizes

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[www.ttelectronics.com/connectors](http://www.ttelectronics.com/connectors)