

ITW GSE

REPLACEMENT CONTACT SECTIONS

ITW GSE Introduces the Next Generation Replacement Contact Section: JB7174X and JB7178X

The new Replaceable Contact Section from ITW GSE is specially designed with a tapered edge to fit securely on any aircraft on the market today that utilizes 400 Hz power. This 400 Hz replaceable contact section comes with a cap made of a highly durable composite selected for its strength, durability and longer life. This newly designed replaceable cap is compatible with all aircraft types.

The JB7174X (yellow) and the JB7178X (green) with Thermgard® are designed to increase the lifespan of your replaceable contact sections.

The JB717-C Abrasion Resistant Wear Cap will prolong the life of cables even longer by allowing the nose cap to be easily replaced.

The new ITW GSE composite Replacement Contact Sections will:

- Reduce wear and tear to extend service life of cables
- Extend the life of your replacement contact sections
- Reduce maintenance down time, saving time and money

JB717-C Abrasion Resistant Wear Cap Kit



JB7178X Green with Thermgard®



JB7174X Yellow



It's all about connections

ITW
GSE

ITW GSE Replacement Contact Sections

For use on ITW GSE 400 Hz Cable Assemblies

ITW GSE has patented the replaceable contact sections for 400 Hz cables. Prolong the life of your cables by replacing the worn contact section. Each of the ITW GSE replacement contact sections is constructed as one assembly with four (4) new sealing screws, instructions and the necessary tool for easy installation to your existing ITW GSE cables. All replacement contact sections are molded of the highest quality Poly Chloroprene for durability in all ramp conditions.



REPLACEMENT NOSE CONTACT SECTION - BLUE - JB7173

This patented replacement contact section can be easily replaced in just 3-5 minutes. Used by the United States Military since 1991, this version is on all cables that begin with JB82XX-XXXNJ, SNG and JB5001, JB5002, JB5003 and JB5004 series of Field Replaceable connectors. Sample: JB8216-100NJ.

HIGH VISIBILITY REPLACEMENT CONTACT SECTION - YELLOW - JB7174

This replacement contact section was brought to market in 1996. The JB7174 is used on all cables that begin with JB88, JB85, JB86, JB87 and JB95, SNJ and the JB5100 series of Field Replaceable connectors. Sample: JB9518-100NJ.

HEAVY DUTY REPLACEMENT NOSE CONTACT SECTION - BLACK - JB7175

The most durable of replacement contact sections, the black contact section is compatible with all cables listed under the JB7174 (yellow) listed to the left.



THERMGARD® REPLACEMENT CONTACT SECTION - GREEN - JB7178

The ITW GSE patented Thermgard® thermal sensor which is strategically placed in the contact section to constantly monitor the temperature of the ground power connector at the aircraft. When the temperature reaches a predetermined setting, the sensor causes the 400 Hz power to disconnect from the aircraft. The Thermgard® replacement contact section is used on the same cables as the JB7174, JB5101, JB5103 and JB5104 series of Field Replacement connectors.

"With today's widespread use of external 400 Hz systems, plug and receptacle wear has increased resulting in problems with the electrical connection. A worn or loose contact on one or more of the pins in the connectors can cause high contact resistance which results in a hot plug; in some cases fire or loss of a phase or control voltage (E&F) which causes the aircraft to reject the external 400 Hz power."

- Excerpt from SAE information report, "400 Hz Connection Aircraft Electrical Maintenance Procedures," issue 1994-12.