

Souriau-Sunbank extends its range of composite solutions to all EWIS accessories

As aircraft evolve, the proportion of composite as a replacement for aluminium continues to increase. Souriau-Sunbank, a company of the EATON group and a major player in the aeronautics industry as a supplier of interconnection technologies, already offers a range of connectors made of composite material, recognised for its reliability and qualified according to the main standards in the sector, in particular the MIL-DTL-38999 Series III and EN3645 standards. In order to meet market demand, Souriau-Sunbank is now extending its composite range to include all EWIS (Electrical Wiring Interconnection Systems) accessories such as backshells, caps, transitions and shielding braids.



The advantages of composite components offered by Souriau-Sunbank lie in their superior mechanical performance in harsh environments, high resistance to corrosion and significant weight savings compared to aluminium. Composite parts are on average 40% lighter in harnesses, and even up to 55% in braids, compared to their metal counterparts.

The D38999 range of connectors is available in composite materials, with various surface treatments such as nickel, mainly for civil and military aeronautics applications, which now predominantly use these materials in electrical architecture.

For more than a year, Souriau-Sunbank has been expanding its range of composite accessories to meet this technological evolution.

EWIS accessories are available in different configurations, sizes and surface coatings and qualified according to the aeronautical standard AS85049 used worldwide. Souriau-Sunbank supplies fittings which offer protection against electromagnetic disturbances as well as greater resistance to vibration thanks to a reduced harmonic resonance obtained by the weight reduction.

The company also offers split rings for shielding braid terminations.

Proprietary backshells

Recent product launches include proprietary products with performances that meet or exceed those described in AS85049, such as the single arm backshell, a strain relief backshell for the cabin environment. Souriau-Sunbank also announced the launch of composite transitions for branches, electromagnetic protection sheaths available upon request, and connector protection caps.

Souriau-Sunbank now offers a complete composite solution that enables it to support its customers in the construction of efficient aircraft.



souriau.com

SOURIAU-SUNBANK Connection

Technologies: EATON Group

SOURIAU-SUNBANK is a global leader in interconnect solutions engineered to withstand the harshest of environments (aeronautics, space, defence, transport, energy, industrial equipment, healthcare devices, and lighting).

It invests in R&D and manufacturing facilities to produce solutions that comply with environmental requirements and international trade rules.

SOURIAU-SUNBANK's wide range of products are designed using cutting-edge electrical and optical connection technologies. All are suitable for use in

non-hazardous environments as well as those involving extreme temperatures, strong vibrations and corrosive liquids, and meet specific international market standards.

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