

# IS-SOMMER SPACE

RELIABLE | LIGHTWEIGHT | SMALL SIZE

Specialized Products for Space Applications



IS-Sommer is the innovative system provider in heat-shrinkable technology, tubing, cable and cable systems accessories.

As part of an international group of companies we are one of the largest stock distributors in Europe. This guarantees our customers reliable, on-time delivery, combined with a comprehensive range of added-value services.



### **Experience builds confidence**

Our focus lies in the aerospace, military, marine, motorsport, energy and medical markets as well as the diversified industrial sector. With over 30 years' of experience, our specialist staff can always find market-relevant solutions to your challenges. We are of course certified under the ISO standard 9001: 2008.

### **Customised solutions**

We can support production requirements with scheduled deliveries to optimise customer stock inventory. Additionally, with our state-of-the-art machinery we can customise quality products from renowned manufacturers to meet your specific requirements. Small batches and prototyping are also part of our service offering.

### **Partnership-based commitment**

You can rely on our processes and engineering know-how for boosting your products performance: our project developers and sales engineers are always at hand to offer help and advice – wherever you are.

# IS-SOMMER

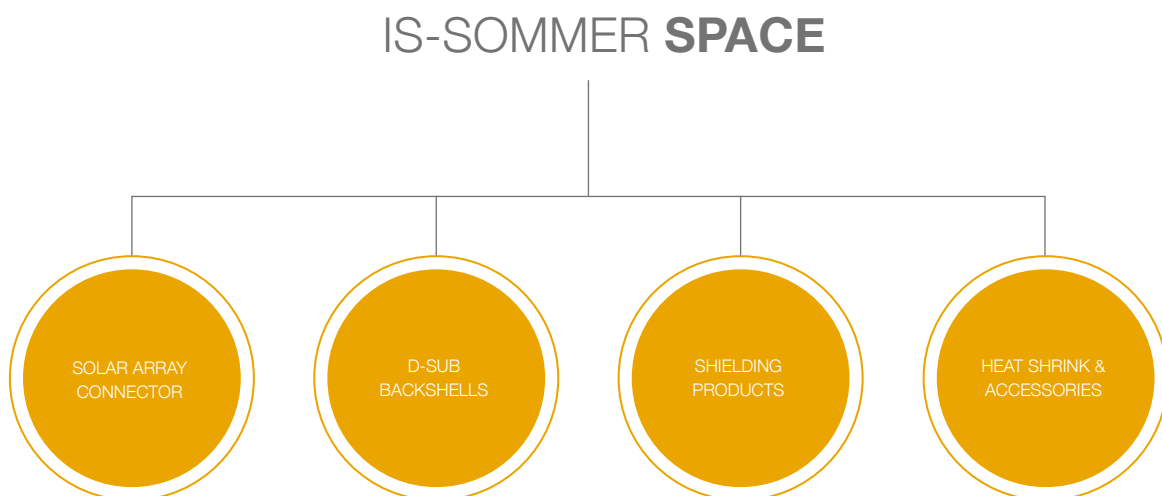
We will meet your demands

For years we have been proud suppliers to the space industry with specialised harness components. During this time we have developed a deep understanding of the demanding requirements of this industry and have supplied solutions that earned the trust of our customers.

Based on our expertise we can offer various standard solutions made by IS-Sommer or other manufacturers. We have the proven knowledge and capabilities to custom-design products to meet your unique demand.

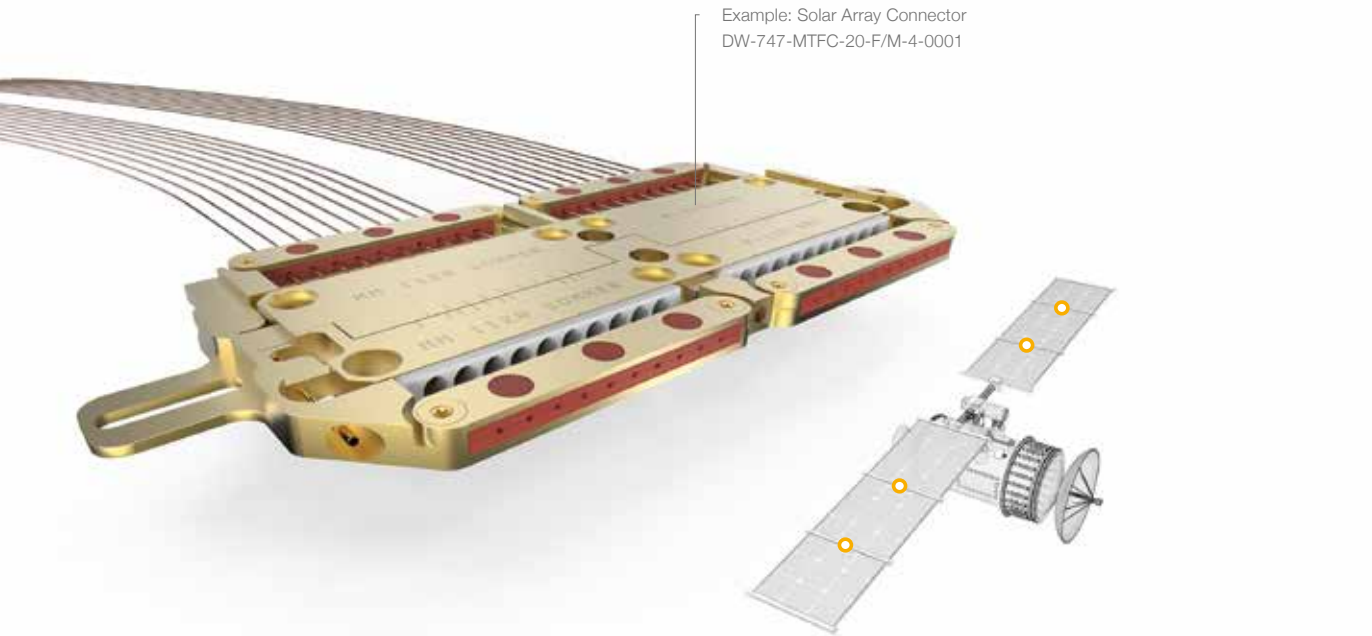
- + **Backshells for Circular & Rectangular Connectors - standard & custom solutions**
- + **Solar Array Connectors**
- + **Wire & Cable**
- + **Heat Shrink Sleeving**
- + **Shielding Products**
- + **Marker Systems**
- + **Circular & Rectangular Connectors**
- + **Lacing Tape & Spiral Binding**
- + **Moulded Parts & Devices**

IS-Sommer is a specialised manufacturer and distributor for well known suppliers from Europe and the USA.





**iS Sommer**



# SOLAR ARRAY CONNECTORS

## Small Size & Strong performance

The Multi-Terminal-Flat-Connectors were created especially for the demands of the Space Industry. Light Weight – great heat cycles – low out-gassing – small height – close pitch distance – strong disruptive strength – all these requirements are needed to be fulfilled in **one** connector.

For many years this product range has been supplied to some of the major manufacturers of solar arrays in Europe and North America.





# BACKSHELLS

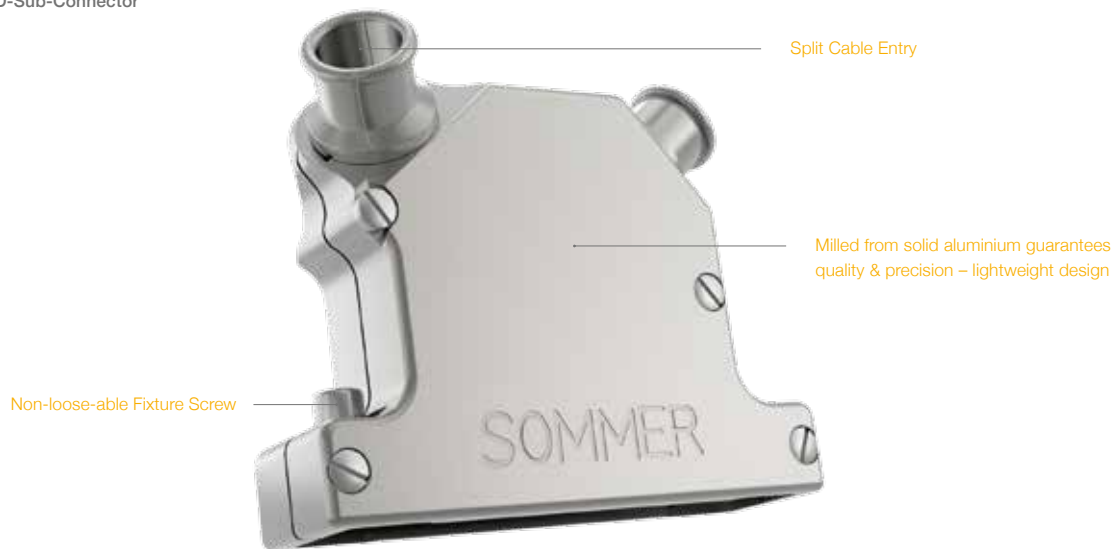
## Split Design, Light Weight & Easy Handling

Our Backshells are unique on the market. The split design guarantees very good handling and easy installation. Access and repairs are executable with the least possible damage – even after the harness is installed. A Nut & Groove design enables high EMI properties. Round or flat cable versions are available from stock. Flexible use due to a wide range of accessories. Experienced engineering capabilities for customisation.

Our Backshells are made of machined aluminium with very tight manufacturing tolerances – various platings are possible.

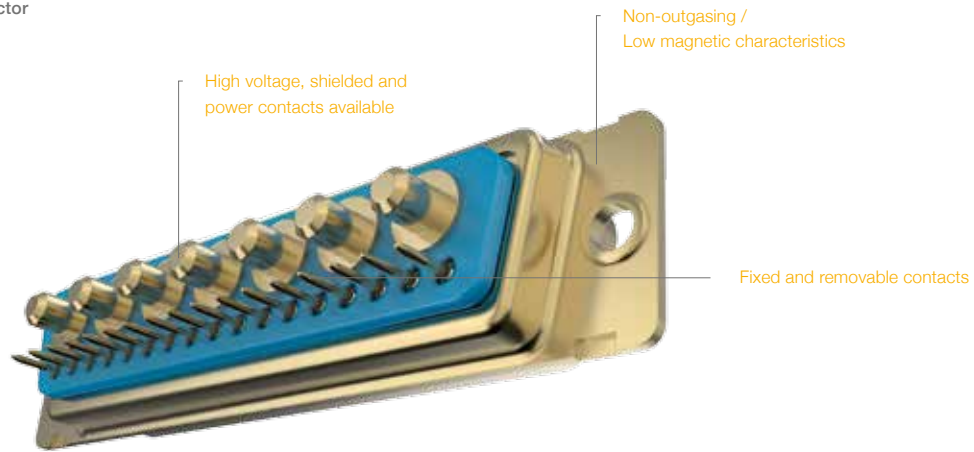
... German Engineering... what else?

Customized Backshell for D-Sub-Connector





Space-grade Hi-Rel  
D-Sub-Connector



# SHIELDING, HEAT SHRINK & ACCESSORIES

Performance at it's highest level

Approvals, performance, out-gassing and heritage – all of them are important

IS-Sommer is offering you a wide range of products for space harnesses:

- + **Silver plated braids**
- + **Aluminium tape**
- + **High performance heat shrink sleeve with low out-gassing**
- + **Marking systems**
- + **Approved Connectors (ESA & GSFC)**
- + **Lacing Tape & Spiral Binding**
- + **Crimp Splices**



## Benefit from our knowledge and expertise in space related harness products:

- + **Long time expertise about the demanding requirements of the space industry**
- + **Special products with proven heritage**
  - standardized and customized options
- + **Exceptional design capabilities**
  - very small MOQ's
- + **Professional supply chain and inventory management**
- + **Personal consulting from our sales engineers on site**

We are looking forward meeting you in person to talk further about our capabilities. Or to send you more detailed information about our services.

Our headquarter is based in Germany and we have a local presence in UK and USA. From here our sales and design engineers will always respond quickly and professionally to your needs. A phone call or an e-mail is all it takes. IS-Sommer looks forward to working with you to solve your challenges!

## SOME REFERENCE PROJECTS

### Successfull flown or still flying

- + **Champ - DLR / Airbus DS Immenstaad**
- + **Grace - JPL / Airbus DS Immenstaad**
- + **Cryosat - ESA / Airbus DS Immenstaad**
- + **Swarm - ESA / Airbus DS Immenstaad**
- + **TerraSAR - DLR / Airbus DS Immenstaad**
- + **TanDEM - DLR / Airbus DS Immenstaad**
- + **Sentinel-1 A&B - ESA / Airbus DS Immenstaad**
- + **Magnetospheric Multiscale (MMS) Mission – GSFC**
- + **Solar Dynamics Observatory SDO – GSFC**
- + **LRO – GSFC**
- + **Space wheels from Teldix / Rockwell Collins in numerous Missions**

(Stand: 08/2017)





## Contact Us

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