

Multiport Solutions

Edition 2009



One step ahead



Your partner for connectivity solutions

Your partner for connectivity solutions HUBER+SUHNER is a leading global supplier of components and connectivity solutions for mobile communication systems. HUBER+SUHNER offers technical expertise in radio frequency, fiber optics and low frequency under a single roof, providing a broad range of products that can be relied on in the target markets communication, transportation and industrial.

Our vast experience in assembling, shrinking and shielding technology as well as our extensive know-how in radio frequency, fiber optics and low frequency guarantee reliable solutions for every industrial application.

*M*ultiport system for industrial applications

In most modern applications restricted space requires high packing density and reduced weight while data rates increase and rigorous safety standards require highest quality and reliability.

Here, our multiport solutions offer unequalled advantages - especially in the field and under rough environmental conditions.

«Customised multiport assemblies according to your application»



Benefits

- One stop for low frequency, high frequency and fiberoptic multiport solutions
- Plug and play for durable and reliable connectivity solutions
- Space saving and easy to install



Radio frequency

In military and aviation applications, space is often constricted yet cable densities are high, i.e. a large number of radio-frequency and special microwave cables must be installed. Multiport connectors are excellently suited to such tasks.

As a result of the systematic exploitation of the advantages offered by the BMA connector series, it is possible to incorporate SUCOFLEX or MULTIFLEX microwave assemblies in housings according to MIL-C-38999, series III. This produces space-saving and easy-to-install connections which can be applied up to 18 GHz.



«Experience and knowledge to
your advantage»

MULTIPOINT connectors MIL-C-38999, Series III

- Applicable for applications up to 18 GHz
- BMA interface
- Space-saving and easy to install
- All defined MIL-C-38999, Series III connectors are supplied with standard polarization. Special polarizations and other MULTIPOINT connectors available on request.
- Backshells, braids, breakouts, armours and marking sleeves onto the cable assembly available on request

**Available MIL-C-38999, Series III Connectors
Shell size 21, 4 contacts**

Connector type	Available cable types	Possible BMA type	
11 BMMP-01	SUCOFLEX 102	24_BMA-225	
	SUCOFLEX 103	24_BMA-325	
	SUCOFLEX 104	24_BMA-401	
	MULTIFLEX 86	24_BMA-50-2-18	
	MULTIFLEX 141	24_BMA-50-3-16	
11 BMMP-02	SUCOFLEX 102	14_BMA-225	
	SUCOFLEX 103	14_BMA-325	
	SUCOFLEX 104	14_BMA-403	
	MULTIFLEX 86	14_BMA-50-2-32	
	MULTIFLEX 141	14_BMA-50-3-10	
24 BMMP-01	SUCOFLEX 102	24_BMA-225	
	SUCOFLEX 103	24_BMA-325	
	SUCOFLEX 104	24_BMA-401	
	MULTIFLEX 86	24_BMA-50-2-18	
	MULTIFLEX 141	24_BMA-50-3-16	
24 BMMP-02	SUCOFLEX 102	14_BMA-225	
	SUCOFLEX 103	14_BMA-325	
	SUCOFLEX 104	14_BMA-403	
	MULTIFLEX 86	14_BMA-50-2-32	
	MULTIFLEX 141	14_BMA-50-3-10	
25 BMMP-01	SUCOFLEX 102	24_BMA-225	
	SUCOFLEX 103	24_BMA-325	
	SUCOFLEX 104	24_BMA-401	
	MULTIFLEX 86	24_BMA-50-2-18	
	MULTIFLEX 141	24_BMA-50-3-16	
25 BMMP-02	SUCOFLEX 102	14_BMA-225	
	SUCOFLEX 103	14_BMA-325	
	SUCOFLEX 104	14_BMA-403	
	MULTIFLEX 86	14_BMA-50-2-32	
	MULTIFLEX 141	14_BMA-50-3-10	

**Available MIL-C-38999, Series III Connectors
Shell size 25, 8 contacts**

Connector type	Available cable types	Possible BMA type	
11 BMMP-03	SUCOFLEX 102	24_BMA-225	
	SUCOFLEX 103	24_BMA-325	
	SUCOFLEX 104	24_BMA-401	
	MULTIFLEX 86	24_BMA-50-2-18	
	MULTIFLEX 141	24_BMA-50-3-16	
11 BMMP-04	SUCOFLEX 102	14_BMA-225	
	SUCOFLEX 103	14_BMA-325	
	SUCOFLEX 104	14_BMA-403	
	MULTIFLEX 86	14_BMA-50-2-32	
	MULTIFLEX 141	14_BMA-50-3-10	
24 BMMP-03	SUCOFLEX 102	24_BMA-225	
	SUCOFLEX 103	24_BMA-325	
	SUCOFLEX 104	24_BMA-401	
	MULTIFLEX 86	24_BMA-50-2-18	
	MULTIFLEX 141	24_BMA-50-3-16	
24 BMMP-04	SUCOFLEX 102	14_BMA-225	
	SUCOFLEX 103	14_BMA-325	
	SUCOFLEX 104	14_BMA-403	
	MULTIFLEX 86	14_BMA-50-2-32	
	MULTIFLEX 141	14_BMA-50-3-10	
25 BMMP-03	SUCOFLEX 102	24_BMA-225	
	SUCOFLEX 103	24_BMA-325	
	SUCOFLEX 104	24_BMA-401	
	MULTIFLEX 86	24_BMA-50-2-18	
	MULTIFLEX 141	24_BMA-50-3-16	
25 BMMP-04	SUCOFLEX 102	14_BMA-225	
	SUCOFLEX 103	14_BMA-325	
	SUCOFLEX 104	14_BMA-403	
	MULTIFLEX 86	14_BMA-50-2-32	
	MULTIFLEX 141	14_BMA-50-3-10	

Fiber optics

Industrial applications

The multi-fiber products for harsh environment are designed to withstand severe mechanical loads, high thermal exposure, and demanding environments like dust, rain and salt water. The cable assemblies are installation-friendly for fixed or mobile applications and transmit reliably data over long distances under severe environmental conditions.

Further, optical links guarantee immunity against electromagnetic interference and voltage surges which are essential advantages for many electronic systems. The total electrical isolation also makes optical fibers a safer, spark-free media for use in hazardous mining or oil platform environments. All these advantages come at reduced weight and size compared to other solutions.



Assemblies for harsh environment conditions

- Cable assemblies with multiport connectors with 2 up to 8 channels
- Butt-joint and expanded beam connector types
- Plug and bulkhead connector components with singlemode and multimode fiber types
- Female - male and hermaphroditic connector systems
- Assemblies meet high mechanical and thermal requirements
- Robust mechanical design; water and dust proof
- Various cables for fixed and mobile applications
- Manufactured and fully tested by HUBER+SUHNER
- Several mobile drums or backpacks for handling and storage available



Low frequency

Powerful capabilities of a global contractor

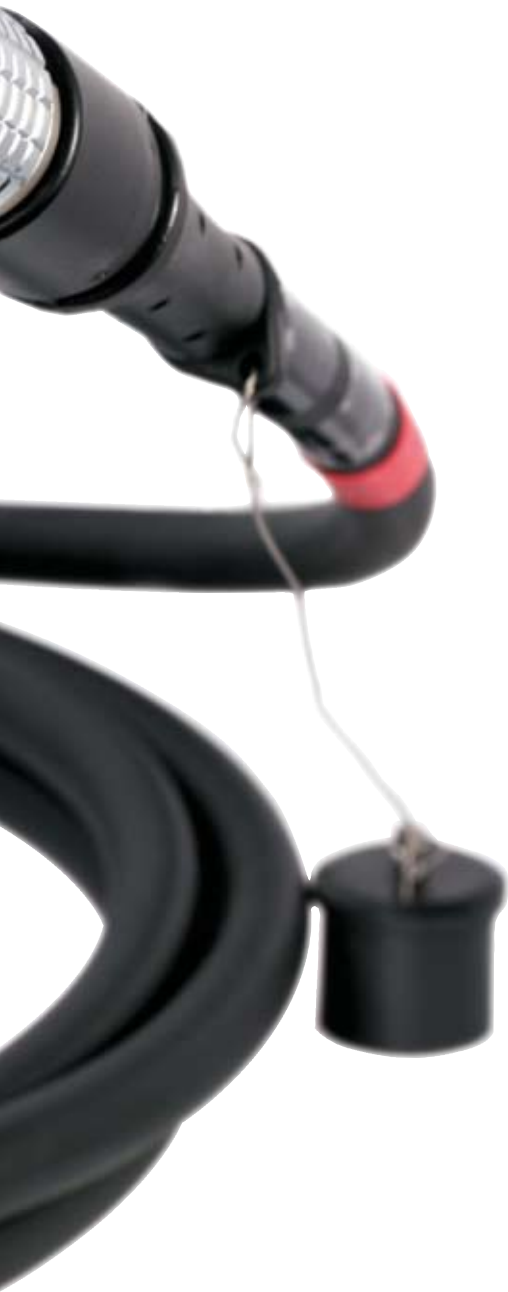
As a system solution provider our development is focused on specific customer needs which ensure a high level of safety and functionality.

Its uncompromising claim to delivering integral solutions is confirmed time and competence in project management, system engineering, prototyping and volume production. This holds true for national and international projects alike.



Custom-made products according to your needs

- Assembled system cables
- Assembled spiral cables
- Special cable systems
- Hybrid cable systems
- Harnesses
- Enclosure wiring

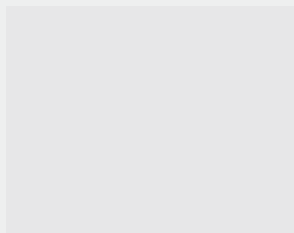


«We can supply from one source»

HUBER+SUHNER is certified according to
ISO 9001, ISO 14001, ISO/TS 16949 and IRIS.

WAIVER

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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Mixed Sources

Product group from well-managed
forests, controlled sources and
recycled wood or fiber
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