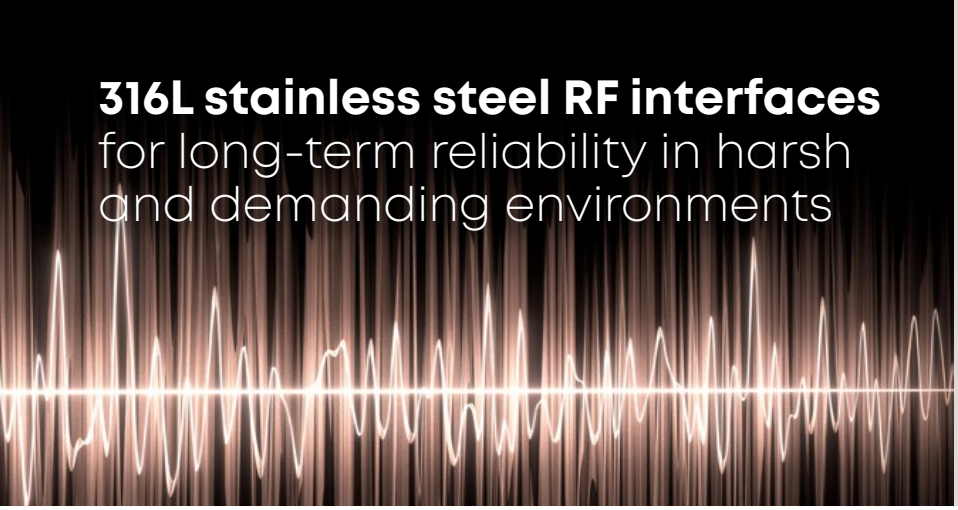
316L stainless steel RF interfaces
for long-term reliability in harsh and demanding environments





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316L Connector portfolio. Proven performance. Trusted durability.

Engineered for demanding microwave applications, the 316L stainless steel RF connector portfolio combines maximum mechanical durability, excellent corrosion resistance, integrated safety hole,s and high electrical performance up to 18 GHz.

Available in SMA, TNC, and N interfaces, these connectors are designed to perform reliably in harsh operating environments and are trusted across industries such as aerospace and defense, marine and offshore, outdoor communications, industrial and transportation (railway).

Backed by decades of expertise in high-performance interconnect solutions, the 316L portfolio offers dependable connectivity where reliability is critical.











Built for harsh environments

Manufactured from 316L stainless steel, these RF connectors provide superior protection against environmental stress and mechanical wear.

316L stainless steel construction for superior corrosion resistance

Maximum mechanical durability for long service life

Excellent salt mist resistance in corrosive environments

Outstanding return loss performance up to 18 GHz

Ingress protection rating IP67

Compatible cable assembly solutions

The 316L connector portfolio is suitable for use with **Spuma, Multiflex_CT, and SUCOFLEX®** cable series, enabling cable assembly configurations according to operational requirements.

Products are supplied exclusively as complete cable assemblies only for optimal performance and reliability.

In addition to the standard product range, the RF cable assembly configurators provide full customization of assemblies, including selection of cable type, length, connectors, and labelling options.

Access the variant configurators to easily configure, customize, and request your RF cable assembly online.

Highly flexible, ultra-low loss, optimal shielding RF cables

SPUMA

- Halogen free cables with standard dimensions
- Ozone, UV and weathering resistance
- Depending on the cable qualified for: CPR, EN45545, NFPA-130, MIL



Products are available as complete assemblies or as individual cables and connectors supplied separately.

Interface	Cable series	Cable diameter	Product code *	Part number
SMA	SPUMA_240	ø6.15 mm	11_SMA-50-4-102/199_NH	85117843
			16_SMA-50-4-98/199_NE	85168754
	SPUMA_400	ø10.25 mm	11_SMA-50-7-2/199_NE	85167341
TNC	SPUMA_240	ø6.15 mm	11_TNC-50-4-79/199_NE	85117847
			16_TNC-50-4-83/199_NH	85118610
			24_TNC-50-4-79/199_NE	85180287
	SPUMA_400	ø10.25 mm	11_TNC-50-7-23/199_NE	85117836
			16_TNC-50-7-23/199_NH	85119365
			24_TNC-50-7-6/199_NE	85182001
N	SPUMA_240	ø6.15 mm	11_N-50-4-77/199_NH	85127772
			16_N-50-4-17/199_NE	85169946
			24_N-50-4-21/199_NE	85181786
	SPUMA_400	ø10.25 mm	11_N-50-7-90/199_NE	85168370
			16_N-50-7-55/199_NE	85172143
			24_N-50-7-36/199_NE	85182486
	SPUMA_600	ø14.99 mm	11_N-50-12-25/199_NE	85256970
			16_N-50-12-13/199_NE	85266719

*** Connector pattern description**

11 – Straight cable plug (male)

16 – Right-angle cable plug (male)

24 – Straight panel bulkhead cable jack (female)

Best-in-class phase-stable microwave cable assemblies for dynamic temperature environments

Multiflex_CT

- Excellent phase and insertion loss stability over temperature
- Outstanding return loss and shielding effectiveness performance
- Highly flexible for easy routing
- MIL qualified



Products are supplied exclusively as complete assemblies for optimal performance and reliability.

Interface	Cable series	Cable diameter	Product code *	Part number
SMA	MULTIFLEX_141_CT-02	ø4.20 mm	11_SMA-50-2-99/199_NE	85259878
			16_SMA-50-2-115/199_NE	85255348
	MULTIFLEX_210_CT	ø5.0mm	11_SMA-50-4-103/199_NH	85117586
			16_SMA-50-4-97/199_NE	85119628
			24_SMA-50-4-55/199_NE	85178033
	MULTIFLEX_380_CT	ø7.5mm	11_SMA-50-6-57/19-_NH	85120205
			16_SMA-50-6-2/19-_NH	85122004
			24_SMA-50-6-53/199_NE	85179729
TNC	MULTIFLEX_210_CT	ø5.0mm	11_TNC-50-4-120/199_NH	85123715
			16_TNC-50-4-125/199_NH	85179988
			24_TNC-50-4-78/199_NH	85120417
	MULTIFLEX_380_CT	ø7.5mm	11_TNC-50-6-57/199_NH	85119752
			16_TNC-50-6-57/199_NE	85181006
			24_TNC-50-6-4/199_NE	85121553
N	MULTIFLEX_210_CT	ø5.0mm	11_N-50-4-78/199_NE	85119007
			16_N-50-4-122/199_NE	85179230
			24_N-50-4-56/199_NE	85180272
	MULTIFLEX_380_CT	ø7.5mm	11_N-50-6-20/199_NE	85113810
			16_N-50-6-59/199_NE	85179925
			24_N-50-6-53/199_NE	85181171

*** Connector pattern description**

11 – Straight cable plug (male)

16 – Right-angle cable plug (male)

24 – Straight panel bulkhead cable jack (female)

The flexible, high-performance microwave assemblies

SUCOFLEX® 100

- Applicable up to 18 GHz
- Excellent insertion and return loss
- Extremely reliable and robust
- Rotary swaged centre conductor



Products are available exclusively as complete assemblies for optimal performance and reliability.

Interface	Cable series	Cable diameter	Product code *
SMA	SUCOFLEX_118	ø7.9 mm	SF_11_SMA-653
			SF_16_SMA-654
	SUCOFLEX_106	ø7.9 mm	SF_11_SMA-655
	SUCOFLEX_104	ø5.5 mm	SF_11_SMA-456
			SF_16_SMA-497
			SF_11_SMA-476
	SUCOFLEX_118	ø7.9 mm	SF_11_TNC-654
			SF_16_TNC-655
			SF_24_TNC-655
TNC	SUCOFLEX_106	ø7.9 mm	SF_11_TNC-658
			SF_16_TNC-651
			SF_24_TNC-653
	SUCOFLEX_104	ø5.5 mm	SF_11_TNC-457
			SF_16_TNC-454
			SF_24_TNC-457
	SUCOFLEX_118	ø7.9 mm	SF_11_N-653
			SF_24_N-652
N	SUCOFLEX_106	ø7.9 mm	SF_11_N-662
			SF_16_N-656
			SF_16_N-654
			SF_24_N-651
	SUCOFLEX_104	ø5.5 mm	SF_11_N-477
			SF_16_N-45
			SF_24_N-451

*** Connector pattern description**

11 – Straight cable plug (male)

16 – Right-angle cable plug (male)

24 – Straight panel bulkhead cable jack (female)

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HUBER+SUHNER is certified according to ISO 9001, ISO 14001, OHSAS 18001, EN(AS) 9100, IATF 16949 and ISO/TS 22163 – IRIS.

Waiver
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