

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 holes, 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.

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

- 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.

Multiflex_CT



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	
			SF_11_SMA-456	
	SUCOFLEX_104	ø5.5 mm	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	
			SF_11_TNC-658	
TNC	SUCOFLEX_106	ø7.9 mm	SF_16_TNC-651	
			SF_24_TNC-653	
	SUCOFLEX_104	ø5.5 mm	SF_11_TNC-457	
			SF_16_TNC-454	
	SUCOFLEX_118	ø7.9 mm	SF_24_TNC-457	
			SF_11_N-653	
	N	SUCOFLEX_106	ø7.9 mm	SF_24_N-652
				SF_11_N-662
SF_16_N-656				
SF_16_N-654				
SUCOFLEX_104		ø5.5 mm	SF_24_N-651	
			SF_11_N-477	
			SF_16_N-45	
			SF_24_N-451	

* Connector pattern description

- 11 – Straight cable plug (male)
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- 24 – Straight panel bulkhead cable jack (female)

HUBER+SUHNER AG
 Degersheimerstrasse 14
 CH-9100 Herisau
 Switzerland
 Phone +41 71 353 41 11
hubersuhner.com

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

Waiver
 Fact and figures herein are for information only and do not represent any warranty of any kind.

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