

SUCOFLEX 526V

Twist and bend it as you wish

Plug,
test,
smile.



When it comes to test and measurement, SUCOFLEX® 526V assemblies guarantee the highest level of satisfaction. Not only are they extremely flexible and easy to use, thanks to their unique design, they also deliver best-in-class phase and amplitude stability with flexure, movement, temperature and tensile stress.

Benefits

- Extremely flexible and ease of handling
- High stable electrical performance up to 26.5 GHz
- Best-in-class phase and amplitude stability with flexure, movement, temperature and tensile stress
- Robust and precise center positioning of 3.5 mm center conductors
- Accurate and repeatable measurements
- Increased test efficiency and measurement saving costs due to reduced calibration intervals

SUCOFLEX® 526V



The only VNA microwave cable worldwide with max. 50 ppm phase variation vs. temperature between +15 and +30 °C only. No "PTFE phase knee" at +19 °C as on conventional VNA test cable assemblies which cause phase variations and unstable measurements in critical laboratory conditions.

Available connectors

Product configuration	85069744	85081169	85070046	85081172	85070047	85081177
Cable type	SUCOFLEX 526V					
Length	25" (635 mm)	25" (635 mm)	38" (965 mm)	38" (695 mm)	48" (1219 mm)	48" (1219 mm)
Connector A	3.5 mm ruggedised PORT female					
Connector B	3.5 mm ruggedised DUT male	3.5 mm ruggedised DUT female	3.5 mm ruggedised DUT male	3.5 mm ruggedised DUT female	3.5 mm ruggedised DUT male	3.5 mm ruggedised DUT female
Mechanical data						
Diameter	13 mm					
Min. bending	50 mm					
Crush resistance	80 kN/m					
Flex life	100 000 cycles					
Environmental data						
Operating temperature	laboratory conditions, analyser specific (+15 to +30 °C)					
RoHS, REACH	compliant					
Electrical data						
Impedance	50 Ω					
Operating frequency	up to 26.5 GHz					
Velocity of propagation	80 %					
Time delay	4.15 ns/m					
Return loss	min. 20 dB					
Insertion loss	max. 2.5 dB	max. 2.5 dB	max. 3.6 dB	max. 3.6 dB	max. 4.4 dB	max. 4.4 dB
Screening effectiveness	> 90 dB					
Amplitude stability vs. movement	max. 0.05 dB					
Amplitude stability vs. flexure	max. 0.08 dB					
Phase stability vs. flexure	max. 3.9°		max. 7.4°		max. 10°	
Phase stability vs. tensile stress	max. 0.1°/GHz (100 N)					
Phase stability vs. temperature	max. 50 ppm (+15 to +30 °C)					

Ordering information

Item no.	Description
85069744	SF526V/35VF/35VM/25in
85081169	SF526V/35VF/35F/25in
85070046	SF526V/35VF/35VM/38in
85081172	SF526V/35VF/35F/38in
85070047	SF526V/35VF/35VM/48in
85081177	SF526V/35VF/35F/48in

HUBER+SUHNER AG
Radio Frequency Division
Degersheimerstrasse 14
9100 Herisau/Switzerland
Tel. +41 71 353 4111
hubersuhner.com

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

Waiver

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