



Key features

- Phase and Amplitude stable
- Very low VSWR and loss up to 18 GHz
- High power handling
- Flexible
- Alternative to SUCOFLEX_106, CXN3450, UFB311A

Applications

- Radio communications
- Lab and testing
- Military

ITEM	MATERIAL	DIAMETER	REMARK
A	Center Conductor (SPC) Silver-plated Copper	2.30 mm (0.091 in)	Solid Core
B	Dielectric Low density PTFE	6.30 mm (0.248 in)	-
C	Outer Conductor (SPC) Silver-plated copper	6.50 mm (0.256 in)	100% Coverage Tape
D	Outer Shield (SPC) Silver-plated copper	7.10 mm (0.280 in)	Braid
E	Jacket (FEP) Fluorinated Ethylene Propylene	7.85 mm (0.309 in)	Grey

Frequency (GHz)	GHz	0,3	1	3	6	8	10	12	14	16	18
Attenuation (100m)	dB	8	14,8	21,1	37,3	43,4	48,9	53,9	58,6	63	67,1
Avg. CW power	W	3341	1812	1269	716	615	547	496	456	425	398

Available also with armored jacket

Armor code	Picture	Armor construction	Features
AT		<ol style="list-style-type: none"> Crush resistance layer: stainless steel spiral Strengthening layer: silver plated copper braid Waterproof layer: PTFE binder Armor jacket: PTFE braiding 	<ul style="list-style-type: none"> - Op. temperature: +125 °C - Four layers of protection - Crush and abrasion resistance - Long term reliability - Excellent flexibility - Flexing life: 20.000 times
AP		<ol style="list-style-type: none"> Crush resistance layer: stainless steel spiral Strengthening layer: silver plated copper braid Armor jacket: PUR 	<ul style="list-style-type: none"> - Op. temperature: +85 °C - High mechanical strength - Highest flexibility - Flexing life: 15.000 times

Available as cable assembly with connectors

Connector series	Gender	Geometry	Freq. max.	VSWR max.	Assembly Code*
SMA	male	straight	18 GHz	1.3	S02
SMA	female	straight	18 GHz	1.3	S12
SMA	male	right angle	18 GHz	1.35	S07
N	male	straight	18 GHz	1.3	N02
N	female	straight	18 GHz	1.3	N12
N	male	right angle	18 GHz	1.35	N07
TNC	male	straight	18 GHz	1.35	T02
TNC	female	straight	18 GHz	1.35	T12
TNC	male	right angle	18 GHz	1.4	T07
7/16 DIN	male	straight	6 GHz	1.3	D02
7/16 DIN	female	straight	6 GHz	1.3	D12

Other connectors available upon request.

Cable assembly part numbering

N02	N02	-	83	-	01000
* Assembly code	* Assembly code		Cable 83 = LLPS309 83A = LLPS309/AT 83B = LLPS309/AP		Cable length in mm zero padded