

# Flexible RF plenum jumper

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#### **High-performance connectivity for demanding RF environments:**

The HUBER+SUHNER SPJ/SM assemblies are engineered for applications where exceptional electrical performance and installation flexibility are critical. Designed with Sucoform semi-rigid cables and plenum-rated materials, these jumpers deliver optimum VSWR, low attenuation, and excellent PIM performance, even in the most space-constrained environments.

Perfectly suited for:

- Indoor and outdoor DAS (Distributed Antenna Systems)
- Small Cell deployments
- Coaxial links between antennas and feeder lines
- Connections between active and passive components in DAS trays

Whether you're routing cables through tight spaces or ensuring long-term reliability in mission-critical networks, the SPJ/SM jumper provides a robust, high-quality solution without compromise.

Thanks to their modular design, the cable can be routed through extremely tight spaces first, and the connector head mounted afterward, enabling flexible, efficient installation without compromising performance.

# RF cable assembly SPJ/SM

## Standard plenum jumper with Sucoform cables

Cable types	Cable attenuation	Jacket diameter	Bending radius
Sucoform 122 LA Cu CMP	0.66 dB/m @ 2.7 GHz	3.65 mm	min. 5 mm
Sucoform 141 LA Cu CMP	0.61 dB/m @ 2.7 GHz	4.10 mm	min. 8 mm
Sucoform 222 LA Cu CMP	0.41 dB/m @ 2.7 GHz	6.20 mm	min. 25 mm

Technical data			
Frequency range	DC up to 6 GHz		
Return loss	Frequency 0.38 to 1.0 GHz up to 2.2 GHz up to 2.7 GHz up to 3.8 GHz up to 6 GHz	Straight/straight ≥ 29 dB ≥ 27 dB ≥ 26 dB ≥ 23 dB ≥ 20 dB	Straight/angle ≥ 28 dB ≥ 25 dB ≥ 24 dB ≥ 20 dB ≥ 19 dB
PIM performance at 1.8GHz 2 × 43dBm	≤ 160 dBc (QMA: ≤ 140 dBc)	typical –165 dBc	

Environmental data	
Temperature range	-65°C to 165°C
Waterproof	IP67 (0.5m/1 h/20°C)
Cable performance	UV resistance UL444/CMP/FT6, ETL listed jacket colour: white
Further information	100% tested for return loss, attenuation and PIM Serial product label on each jumper for tracking Stock items in lengths of 0.5 up to 5 m

SPJ cable product	Part description	Diameter (mm)	Length (mm)	Connector 1	Connector 2	Part number
SPJ_SM122L_PCC	SPJ/SM122L/PCC/PCC/00500	3,65	500	PCC	PCC	85267874
	SPJ/SM122L/PCC/PCC/01000		1000	PCC	PCC	85267875
	SPJ/SM122L/PCC/PCC/02000		2000	PCC	PCC	85267876
SPJ_SM141L_PCC	SPJ/SM141L/PCC/PCC/00500	4,1	500	PCC	PCC	85097762
	SPJ/SM141L/PCC/PCC/01000		1000	PCC	PCC	85097763
	SPJ/SM141L/PCC/PCC/02000		2000	PCC	PCC	85097765
SPJ_SM222L_PCC	SPJ/SM222L/PCC/PCC/00500	6,2	500	PCC	PCC	85140282
	SPJ/SM222L/PCC/PCC/01000		1000	PCC	PCC	85118309
	SPJ/SM222L/PCC/PCC/02000		2000	PCC	PCC	85081440

Connector types	Straight cable plug (male) part #	Straight cable jack (female) part #
N	85079663	85082504
4.3-10	85079675	85080345
SMA	85086064	
NEX10	85099127	85102243
7/16	85079671	

