

multitap

Product information

The multitap is a 13-way tap, where each tap has a different tap loss, in order to compensate for the different cable length between the tap and the subscribers. The multitap is made of materials selected with focus on minimum corrosion (low common path distortion) and minimum cold flow (less loose connectors over time). It is designed and produced using well-proven technologies that has been used in the field for more than 15 years.

A unique construction of the female F-connector ensures secure connection to the inner conductor of the male connector, and furthermore, the alloy ensures minimal corrosion. This dramatically reduces the likelihood of signal dropout and the subsequent need for network troubleshooting.

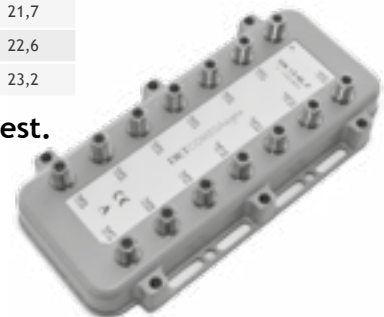
The multitap comes in two versions, only difference being the position of the ports, SiM 13-NL-F has the IN port in the top left corner, and for SiM 13B-NL-F the IN port is in the top right corner. The tap name, frequency range and all connectors are clearly marked with rugged labels.

12+1-way multitap

	Tap loss - typical values						
	5 MHz	85 MHz	230 MHz	470 MHz	860 MHz	1006 MHz	1300 MHz
TAP1 (dB)	12,7	12,4	12,3	12,3	12,3	12,3	12,3
TAP2 (dB)	13,3	13,0	12,9	12,9	13,4	13,6	14,6
TAP3 (dB)	13,9	13,6	13,5	13,5	14,0	14,2	15,2
TAP4 (dB)	14,5	14,2	14,1	14,1	14,6	14,8	15,8
TAP5 (dB)	15,1	14,8	14,7	14,7	15,2	15,4	16,4
TAP6 (dB)	15,7	15,4	15,3	15,3	15,8	16,0	17,0
TAP7 (dB)	16,3	16,0	15,9	15,9	16,4	16,6	17,8
TAP8 (dB)	16,9	16,6	16,5	16,5	17,0	17,2	18,8
TAP9 (dB)	17,5	17,2	17,1	17,1	17,6	17,8	19,4
TAP10 (dB)	18,2	17,9	17,8	17,8	18,3	18,5	20,8
TAP11 (dB)	18,8	18,5	18,4	18,4	18,9	19,1	21,7
TAP12 (dB)	19,4	19,1	19,0	19,0	19,5	19,7	22,6
TAP13 (dB)	20,0	19,7	19,6	19,6	20,1	20,3	23,2

Other tap values and equalizers are available upon request.

Housing: Aluminium alloy, anti corrosive painting
 Connectors: Brass milled, nickel tin plated, F-Female (ANSI/SCTE 01 2006)
 Voltage blocking: 1kV capacitors on all ports
 Passive IM: > 125 dB, two carriers 50 and 55 MHz at 120 dBµV
 Operating temp.: -25 to +70 °C
 Dimensions: 181.8 x 89.9 x 34.3 mm
 Weight: 282 g



Ordering information	
Item no.	Type no.
48900	SiM 13-NL-F
48901	SiM 13B-NL-F

Standardization of Taps

The Signia taps series complies with a range of standards, below are some of the most relevant for cable TV networks.

Description	Name	Conformity
Dry Heat	EN60068-2-2	✓
Change of temperature	EN60068-2-14	✓
Return loss	EN60728-4	Grade 1*
Screening effectiveness	EN50083-2	Exceeds Class A
Isolation (TAP-TAP)	EN60728-4	✓

Description	Name	Conformity
Protection against intrusion	IEC 60529	IP54
Damp Heat	EN60068-2-30	✓
Salt Mist	EN60068-2-11	✓
Vibration	EN60068-2-6	✓

* 5-10 MHz: >18 dB