



Hilti Modular Firestop Sleeve CFS-MSL – Airtightness and Pressure Resistance

The airtightness values for Hilti Modular Firestop Sleeves CFS-MSL (S, M and L) were measured in acc. to EN 1026:2016-03 by the external accredited institute “ift Rosenheim GmbH”. The airflow values for different pressures and different cable fill are to be found on table below.

Modular Sleeve	Cable fill (%)	Airflow (m ³ /h)						
		25 Pa	50 Pa	100 Pa	200 Pa	300 Pa	450 Pa	600 Pa
CFS-MSL S	0	0	0,6	1	1,8	2,3	3,2	3,8
CFS-MSL M	0	1,5	2,5	3,9	6,1	7,8	9,9	11,6
CFS-MSL L	0	0,9	1,5	2,6	4,5	6	8	9,6
	20 (26 cables*)	4,1	6,8	10,9	17,1	22,4	29,1	34,8
	40 (51 cables*)	3,7	6,1	10	15,8	20,8	27,2	32,5
	60 (77 cables*)	6,1	10,1	16,2	26	33,9	44,2	53,2
	100 (128 cables*)	5,6	9,4	15,5	25	32,7	43	52

Test conditions: 21°C – 52 to 57% RH

*Cable: CAT 6 – OD: 6 mm

Many factors might influence the airflow values of products with penetrants (e.g., cable size/shape, bundle construction, position of cables in the device, size of cable bundle, ambient conditions...). Therefore, the values above should be used as orientation values.

The pressure resistance for Hilti Modular Firestop Sleeve was tested in acc. EN 12211:2016-10 for the CFS-MSL L. This result can be transferred to all other products and configurations. No failure or optical changes of the installed device was detected, showing a static pressure differential resistance up to 9800 Pa.

Please contact us in case of questions.

Best regards,

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