



To whom it may concern

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Seite 1 von 1
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Hilti Firestop-Speed Sleeves CP 653 BA 4" & CFS-SL 4" – Air-tightness and pressure resistance

The air-tightness values for the Hilti Firestop Speed Sleeves (4") were measured in acc. to EN 1026:2000-06 by the external accredited institute "ift Rosenheim GmbH". You will find the airflow values for different pressures and different filling ratings in the table below:

		Airflow per Device [m³/h]				
Cable fill [%] →		0%	20%	40%	60%	100%
Number of cables* →		0	28	57	86	142
Pressure [Pa]	10 Pa	0,24	0,60	2,10	3,31	2,01
	25 Pa	0,48	1,22	4,40	6,97	4,44
	50 Pa	0,83	2,09	7,16	11,43	7,68
	75 Pa	1,10	2,82	9,47	15,13	10,44
	100 Pa	1,38	3,53	11,57	18,49	12,98
	150 Pa	1,83	4,77	15,21	24,22	17,33
	200 Pa	2,21	5,88	18,49	29,27	21,26
	250 Pa	2,59	6,89	21,48	33,82	24,81
	300 Pa	2,95	7,83	24,17	37,87	28,21
	450 Pa	3,94	10,43	31,42	49,18	37,02
	600 Pa	4,79	12,69	37,63	58,86	44,82

Test conditions: 21 °C - 52 - 57% RH *Cable: CAT6 — OD=6mm

Please consider many factors influence the airflow values of products with penetrants (e.g. cable size/shape, way cables are bundled and position of cables in the device, size of cable bundle, ambient conditions especially humidity and temperature, etc.).

Therefore, the values above should be used as orientation values and can vary for different cable configurations, different cable bundles and different operation conditions (temperature, overpressure, etc.).

The pressure resistance for the Hilti Firestop Speed Sleeves (4") was tested in acc. EN 12211:2000-06 for all mentioned fill rates in the table above. No failure or optical changes of the installed devices were detected, showing a static pressure differential resistance up to 9700 Pa.

Please contact us in case of questions or if you need evidence of performance.

With best regards

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