

Silent Flex

Silent Flex Attenuation Tests

Sample descriptions

Core: Constructed from 12 micron metallised PET film bonded to 12 micron clear PET film with water based fire retardant adhesive, fully encapsulating helically wound steel wire. The length of the core is equally spaced with a series of perforations.

Insulation: nominal 25mm Polyester blanket, nominal R0.6

Jacket: constructed from 12 micron metallised PET film bonded to 12 micron clear PET film with water based fire retardant adhesive.

Values presented below represent cumulative in-duct attenuation (decibels) for 3m distance from the start of a straight length of duct supported over battens at approximately 450mm pitch laying over a hard surface to represent typical installation above a home ceiling.

Cumulative In-Duct Attenuation for Silent Flex (25 thick)									
dia	distance	Octave Band Centre Frequency (Hz)							
mm	m	63	125	250	500	1000	2000	4000	8000
150	1	10	18	21	23	26	29	28	13
	2	11	25	36	31	34	36	42	24
	3	17	32	40	33	36	38	47	33
	4	20	41	42	35	38	39	51	41
200	1	9	16	22	20	20	19	22	14
	2	14	28	33	26	30	31	32	21
	3	17	34	37	29	32	34	40	27
	4	20	39	39	33	35	37	49	38
250	1	10	25	21	18	17	19	16	8
	2	23	32	31	25	29	32	26	13
	3	28	35	36	28	32	36	32	20
	4	33	37	40	29	33	39	39	24
300	1	13	22	19	18	18	18	11	7
	2	17	30	28	25	28	29	21	15
	3	21	33	34	28	31	33	28	19
	4	22	35	37	29	34	37	33	23
350	1	10	19	15	12	11	15	11	9
	2	23	29	23	20	18	27	17	14
	3	25	30	30	24	23	33	22	17
	4	27	31	33	27	26	35	29	23
400	1	14	19	12	11	18	17	11	6
	2	24	28	19	18	23	23	15	7
	3	28	30	26	22	28	30	21	11
	4	30	31	31	25	33	35	25	14
450	1	8	16	13	13	17	15	10	2
	2	12	24	21	24	25	21	17	8
	3	17	28	27	33	31	29	22	13
	4	19	30	30	37	34	32	27	17
500	1	13	22	15	14	12	16	13	5
	2	20	27	25	25	25	24	19	12
	3	26	31	31	30	33	32	23	17
	4	29	34	36	34	36	38	27	21

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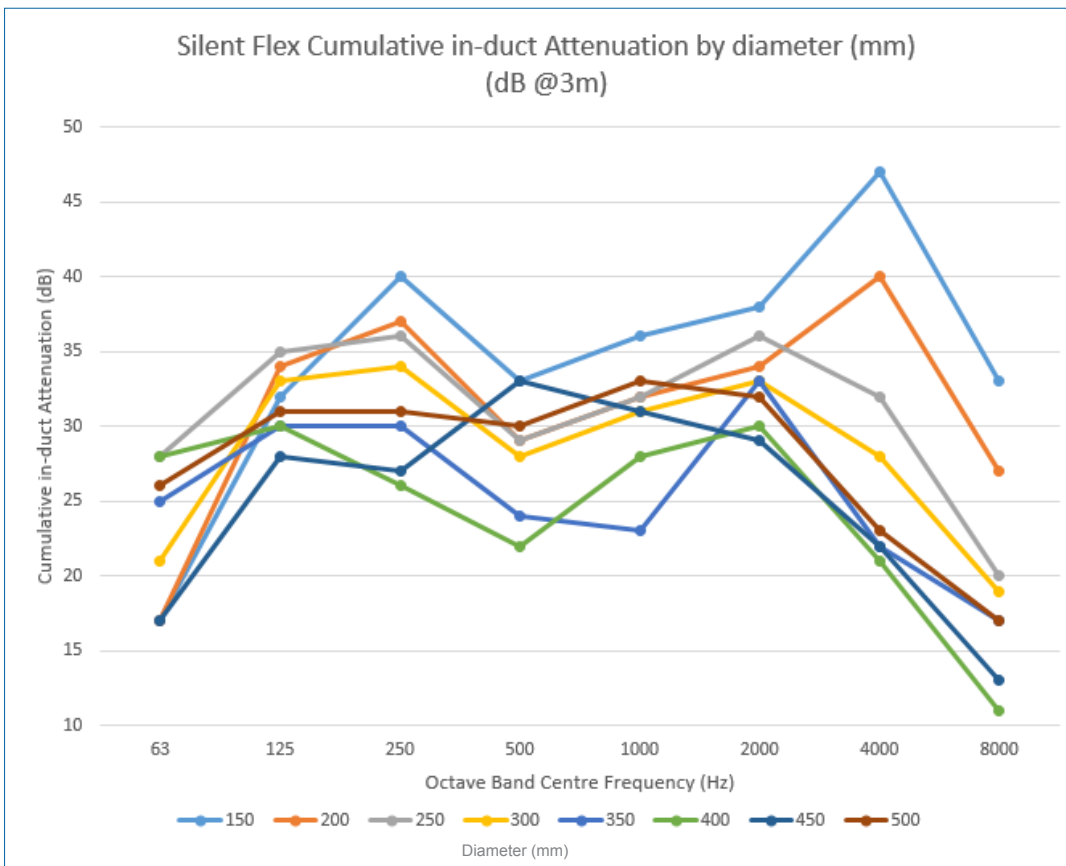
Due to a policy of continuous development, prices and specifications are subject to change without notice.

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Silent Flex (continued)

Cumulative In-Duct Attenuation for Silent Flex (25 thick) @3m									
dia	distance	Octave Band Centre Frequency (Hz)							
mm	m	63	125	250	500	1000	2000	4000	8000
150	3	17	32	40	33	36	38	47	33
200	3	17	34	37	29	32	34	40	27
250	3	28	35	36	29	32	36	32	20
300	3	21	33	34	28	31	33	28	19
350	3	25	30	30	24	23	33	22	17
400	3	28	30	26	22	28	30	21	11
450	3	17	28	27	33	31	29	22	13
500	3	26	31	31	30	33	32	23	17



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