FLEXADUX® P 3 PU EL

Medium weight and flexible spiral hose made of Polyurethane, electrically conductive



Applications conveying of abrasive media, conveying technology, extraction systems, rail vehicles

Structure Polyether-Polyurethane, black / jet black (similar RAL 9005), opaque, steel wire / spring steel wire / coated / PVC

Temperature -40°C up to 90°C

Properties good flexibility, electrically conductive (R ≤ 10^3 Ohm), very good abrasion resistance, good tensile strength, hydrolysis & microbe resistant

Norms TRBS 2153/TRGS 727, ATEX 2014/34/EU / aspiration (no zone or inside: zone 22), ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22)





made in Germany

Inner Diameter (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Total Weight per Piece (kg)	Length (m)	Article Number
25	30,00	0,80	38	2,50	0,80	1,96	10	35905025-1000-000-99
25	30,00	0,80	38	2,50	0,80	2,94	15	35905025-1500-000-99
30	35,00	0,80	45	2,40	0,80	2,32	10	35905030-1000-000-99
30	35,00	0,80	45	2,40	0,80	3,47	15	35905030-1500-000-99
32	37,00	0,80	48	2,40	0,75	2,46	10	35905032-1000-000-99
32	37,00	0,80	48	2,40	0,75	3,69	15	35905032-1500-000-99
40	47,00	0,80	60	2,10	0,60	3,92	10	35905040-1000-000-99
40	47,00	0,80	60	2,10	0,60	5,88	15	35905040-1500-000-99
51	58,00	0,80	77	1,70	0,38	0,00	10	35905051-1000-000-99
51	58,00	0,80	77	1,70	0,38	0,00	15	35905051-1500-000-99
60	67,00	0,80	90	1,60	0,35	5,77	10	35905060-1000-000-99
60	67,00	0,80	90	1,60	0,35	8,66	15	35905060-1500-000-99
65	72,00	0,80	98	1,45	0,32	6,23	10	35905065-1000-000-99
65	72,00	0,80	98	1,45	0,32	9,35	15	35905065-1500-000-99
70	77,00	0,80	105	1,30	0,30	6,69	10	35905070-1000-000-99
70	77,00	0,80	105	1,30	0,30	10,04	15	35905070-1500-000-99
76	83,00	0,80	114	1,20	0,30	7,25	10	35905076-1000-000-99
76	83,00	0,80	114	1,20	0,30	10,87	15	35905076-1500-000-99
80	87,00	0,80	120	1,20	0,30	7,62	10	35905080-1000-000-99
80	87,00	0,80	120	1,20	0,30	11,43	15	35905080-1500-000-99
90	97,00	0,80	135	1,10	0,28	0,00	10	35905090-1000-000-99
90	97,00	0,80	135	1,10	0,28	0,00	15	35905090-1500-000-99

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All technical data, measured at 23°C, are general orientation values and are subject to production-related tolerances. Max. operating pressures apply only for short periods. Technical changes and color deviations are subject to change. Other versions are available upon request.
Date: 24.11.2026

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102	110,00	1,00	153	1,00	0,25	10,47	10	35905102-1000-000-99
102	110,00	1,00	153	1,00	0,25	15,71	15	35905102-1500-000-99
152	161,00	1,00	227	0,50	0,18	0,00	10	35905152-1000-000-99
152	161,00	1,00	227	0,50	0,18	0,00	15	35905152-1500-000-99
160	169,00	1,00	240	0,40	0,16	16,76	10	35905160-1000-000-99
160	169,00	1,00	240	0,40	0,16	25,14	15	35905160-1500-000-99
180	189,00	1,00	270	0,30	0,15	18,78	10	35905180-1000-000-99
180	189,00	1,00	270	0,30	0,15	28,17	15	35905180-1500-000-99
200	209,00	1,00	315	0,25	0,13	20,80	10	35905200-1000-000-99
200	209,00	1,00	315	0,25	0,13	31,20	15	35905200-1500-000-99

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