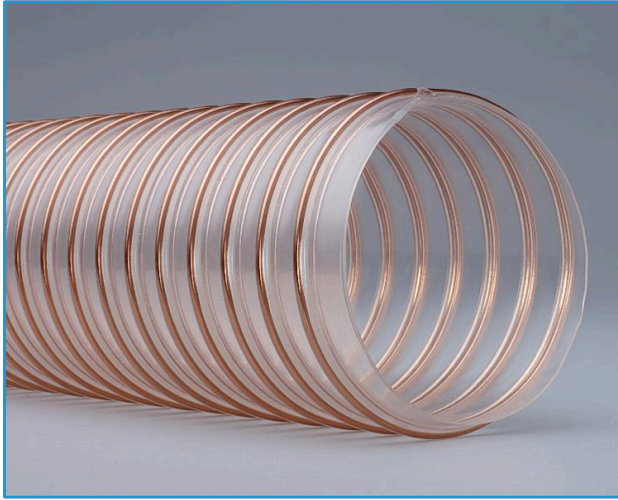


# Smartflex 2.0

## Heavy weight flexible polyurethane ducting



**Construction:** Polyether-polyurethane wall encapsulating a copper coated spring steel wire helix.

**Standard length:** 10 metres.

**Temperature range:** -40°C to +100°C in a 20°C ambient.

**Applications:** Extraction and transport of abrasive materials, for example, PVC granules, roof gravel, shot blasting media/sand blasting media and grain transfer.

**Properties:** Flame retardant wall according to DIN 4102 B1, according to ISO 8031 permanently antistatic  $<10^9$  ohms, compliant with TRGS 727  $<2.5 \cdot 10^8$  Ohms and ATEX 2014/34/EU, very smooth flow channel, high abrasion resistance, good Low-temperature flexibility, good petrol and oil resistance, halogen- and plasticizer-free, conductive according to BGI 739-2 when the spiral is grounded, also resistant to hydrolysis and microbes, production according to DIN 26057 type 4.

Inside diameter (mm)	weight (kg/m)	wall thickness (mm)	bending radius (mm)	max. working Pressure (bar)	max. vacuum bar
40	1.20	2.00	100	2.50	1.00
51	1.45	2.00	130	2.45	1.00
63	1.50	2.00	150	2.40	1.00
76	1.90	2.00	230	2.25	1.00
80	2.00	2.00	250	2.20	0.95
90	2.20	2.00	300	2.10	0.90
102	2.40	2.00	400	2.00	0.90
110	2.60	2.00	500	1.85	0.90
120	2.80	2.00	600	1.70	0.90
127	3.35	2.00	650	1.54	0.90
140	3.20	2.00	700	1.60	0.85
152	3.40	2.00	800	1.50	0.85
160	3.60	2.00	850	1.45	0.85
170	3.80	2.00	900	1.35	0.83
180	4.00	2.00	1000	1.30	0.80
190	4.50	2.00	1100	1.20	0.75
203	4.70	2.00	1200	1.15	0.80
210	4.80	2.00	1300	1.10	0.80
220	4.90	2.00	1400	1.00	0.75
230	5.20	2.00	1500	0.90	0.72
240	5.40	2.00	1550	0.80	0.80
250	5.60	2.00	1600	0.70	0.55