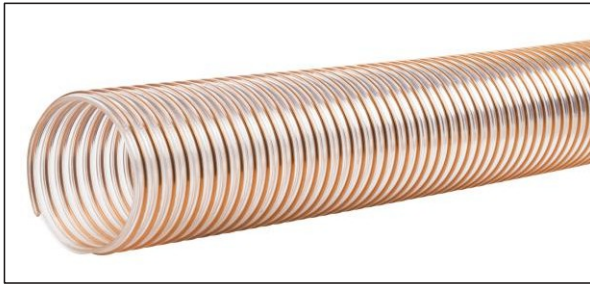


**Abrasion-resistant hoses**

**SMARTFLEX® 2.0 / SMARTFLEX® 2.5**
**Extra-strong hose for abrasive material extraction and transfer, anti-static and flame-retardant**
**Hose material:** transparent polyether - polyurethane,  
 2.0 mm thick (SMARTFLEX 2.0),  
 2.5 mm thick (SMARTFLEX 2.5)

**Reinforcement:** steel wire coil

**Operating temp:** -40°C to +100°C (temporarily up to +125°C)

Extra-strong, thick, flexible hose for extraction and transfer of abrasive bulk materials, granules, roof graveling, industrial cleaning, abrasive sandblasting, silos, bulk material tankers, etc. Conforms to DIN 26057 Type 4 (SMARTFLEX® 2.0). **Antistatic and flame-retardant, ensures high occupational safety.** Thick wall and dense, thick reinforcing spiral for high vacuum resistance. Smooth inside, incompressible, not very flexible but flexible, even at low temperatures. With very good abrasion resistance, also resistant to microbes and hydrolysis. Free of halogen compounds and plasticisers. Oil and petrol resistant. Optimum flow direction of the medium is marked with an arrow. Hose wall thickness is measured between the spirals. Other diameters may be available on special order.

**Antistatic properties:** permanently antistatic (according to ISO 8031 resistance  $R < 10^{(9)} \Omega$ , according to German technical regulation TRGS 727 (6.4.2.4) specific resistance  $R < 2.5 \times 10^{(8)} \Omega m$ , according to directive 2014/34/EU (ATEX) may be used in **certain** explosion hazardous areas - which must be preceded by a risk analysis). After effective grounding of the spiral on both sides, it can be treated as electrically conductive - in accordance with the recommendations of BGI 739-2. **Flame-retardant** - in accordance with DIN 4102 Class B1.



**SMARTFLEX® combines all 4 advantages of a good extraction hose in one product:**

*It is abrasion resistant, permanently antistatic, hard-wearing, resistant to microbes and HYDROLISE.*

index	internal diameter [mm]	working pressure 23°C [bar]	vacuum 23°C [bar].	bend radius [mm]	mass [kg/m]	standard length [m]
<b>SMARTFLEX® 2.0</b>						
SC-SMARTFLEX-040-20	40	2,5	1	100	0,83	10
SC-SMARTFLEX-045-20	45	2,47	1	115	0,93	10
SC-SMARTFLEX-050-20	50	2,45	1	130	1,03	10
SC-SMARTFLEX-060-20	60	2,4	1	150	1,23	10
SC-SMARTFLEX-065-20	65	2,35	1	175	1,33	10
SC-SMARTFLEX-070-20	70	2,3	1	210	1,44	10
SC-SMARTFLEX-075-20	75	2,25	1	230	1,54	10
SC-SMARTFLEX-080-20	80	2,2	0,95	250	1,82	10
SC-SMARTFLEX-090-20	90	2,1	0,9	300	2,04	10
SC-SMARTFLEX-100-20	100	2	0,9	400	2,27	10
SC-SMARTFLEX-110-20	110	1,85	0,9	500	2,49	10
SC-SMARTFLEX-120-20	120	1,7	0,9	600	2,71	10
SC-SMARTFLEX-125-20	125	1,6	0,9	625	2,82	10
SC-SMARTFLEX-130-20	130	1,54	0,9	650	2,93	10
SC-SMARTFLEX-140-20	140	1,6	0,85	700	3,68	10
SC-SMARTFLEX-150-20	150	1,5	0,85	800	3,96	10
SC-SMARTFLEX-160-20	160	1,45	0,85	850	4,22	10
SC-SMARTFLEX-175-20	175	1,35	0,81	950	4,6	10
SC-SMARTFLEX-180-20	180	1,3	0,8	1000	4,74	10
SC-SMARTFLEX-200-20	200	1,15	0,8	1200	5,26	10
SC-SMARTFLEX-225-20	225	1	0,73	1400	5,91	10
SC-SMARTFLEX-250-20	250	0,7	0,55	1600	6,56	10
<b>SMARTFLEX® 2.5</b>						
SC-SMARTFLEX-100-25	100	2,1	0,95	400	2,57	10
SC-SMARTFLEX-102-25	102	2,1	0,95	400	2,61	10
SC-SMARTFLEX-125-25	125	1,79	0,95	600	3,16	10
SC-SMARTFLEX-127-25	127	1,62	0,95	650	3,21	10
SC-SMARTFLEX-150-25	150	1,58	0,9	800	4,41	10
SC-SMARTFLEX-152-25	152	1,58	0,9	800	4,47	10
SC-SMARTFLEX-200-25	200	1,21	0,65	1200	5,81	10
SC-SMARTFLEX-203-25	203	1,21	0,65	1200	5,90	10
SC-SMARTFLEX-250-25	250	0,74	0,45	1600	7,21	10
SC-SMARTFLEX-254-25	254	0,74	0,45	1600	7,33	10