

## FLATFLEX HOSE 14/10 bar

HOSES › Flattenable tubes

**Extruded thermoplastic flat tube made of a mixed RUBBER/PVC material specially designed for water transfer under severe wear conditions.**



### Product Highlights

- RELIABLE, LIGHTWEIGHT AND FLEXIBLE
- IMPLEMENTATION AND RECOVERY OF QUICK CONNECTORS

The black ribbed cover is standard. Other colors are available upon request.



[Mastertubi.it/q?1332](http://Mastertubi.it/q?1332)

#### Applications:

Designed and recommended for water transfer and general pumping operations in irrigation, mining, construction, sewerage, drainage systems, water bypass operations and cable sheathing.

#### Construction:

Made from 100% high tenacity synthetic yarn circularly woven, fully protected and secured by a tough, highly durable blend of synthetic nitrile rubber and PVC extruded through the weft and forming a single homogeneous construction without the use of glues or adhesives.

#### Coating properties:

- **A.** Maximum tensile strength of the coating: guaranteed minimum value of 1,500 psi (10,500 kPa).
- **B.** Final elongation: minimum 400%.
- **C.** Accelerated aging test:
  - The tensile strength and ultimate elongation of the vulcanized rubber compound were tested with oxygen at a pressure of 300 psi +/- 10 psi (2100 kPa +/- 70 kPa) and a temperature of 70 degrees Celsius +/- 1 degree (158 °F +/- 18 °F) for a period of 96 hours, after which the rubber properties are at least 60% of the original values.

#### Abrasion resistance

It will extend the life of your application in extreme conditions where abrasion is the primary concern. Abrasion resistance > 2000 cycles.

#### Serving temperature range:

From -30°C to 80°C. Special versions for higher and lower temperatures available on request.

#### Ozone resistance:

No visible signs of cracking appear on the coating or covering when tested in accordance with ASTM D518 Procedure B, 100pphm/104°F (40°C).

#### Chemical resistance:

Exposure to seawater and contamination by most chemicals, hydrocarbons, oils, and greases has no effect on the short- or

long-term performance of the hose. A chemical resistance chart is available, and TIPSA will provide specific chemical resistance data upon request by the purchaser for specific applications.

**Lengths:** Standard 100m. Special lengths up to 200m.

**Bindings:** Camlock, Bauer, Perrot, Victaulic, Storz.

### Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight		Bend Radius at WP	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft	m	ft
F550872A	30	1 ¼	1.9	0.075	28	410	85	1,230	2,250	5,000	0.26	0.18	0.50	1.64
F550883A	38	1 ½	1.9	0.075	14	200	42	600	2,950	6,500	0.30	0.20	0.70	2.30
F550894A	45	1 ¾	1.9	0.075	14	200	42	600	2,350	5,200	0.35	0.24	0.90	2.95
F550908A	52	2	1.9	0.075	14	200	42	600	3,750	8,250	0.40	0.27	1.10	3.61
F550920A	60	2 ¼	2.2	0.087	14	200	42	600	5,000	11,100	0.50	0.34	1.20	3.94
F551037A	65	2 ½	2.2	0.087	14	200	42	600	5,100	11,300	0.57	0.38	1.30	4.27
F550941A	70	2 ¾	2.3	0.091	14	200	35	500	5,200	11,500	0.58	0.39	1.35	4.43
F550952A	75	3	2.3	0.091	12	175	32	460	5,300	11,750	0.68	0.46	1.45	4.76
F552288A*	78	3	2.3	0.091	12	175	30	435	5,300	11,750	0.70	0.47	1.45	4.76
F550963A	80	3 ¼	2.3	0.091	12	175	32	460	5,900	13,050	0.70	0.47	1.46	4.79
F553010A	90	3 ½	2.3	0.091	16	230	40	580	8,400	18,500	0.83	0.56	1.48	4.86
F550985A	102	4	2.3	0.091	12	175	30	435	7,900	17,400	0.93	0.62	1.70	5.58
F552821A*	105	4	2.4	0.094	12	175	30	435	7,900	17,400	1.05	0.71	1.70	5.58
F550996A	110	4 ¼	2.5	0.098	12	175	30	435	8,900	19,600	1.10	0.74	1.80	5.91
F551026A	127	5	2.7	0.106	12	175	30	435	9,400	20,650	1.40	0.94	2.10	6.89
F551048A	152	6	2.7	0.106	12	175	30	435	16,350	36,000	1.60	1.08	2.25	7.38
F552308A*	155	6	3.0	0.118	12	175	30	435	16,350	36,000	1.90	1.28	2.25	7.38
F552357A	203	8	3.4	0.134	10	145	25	360	23,600	51,950	2.75	1.85	3.00	9.84
F551006A	254	10	3.8	0.150	10	145	24	345	47,250	103,950	3.90	2.62	3.20	10.50

The actual diameter of these hoses may differ slightly from the nominal diameter specified in this chart to make sure that they can be properly assembled with the couplings. For diameter tolerance questions please contact your distributor or directly to TIPSA.

\* Hoses to be assembled with Camlock couplings

**tipsa:** reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised that special diameters or construction characteristics can be produced upon special request. Contact your local dealer or TIPSA at: [tipsaex@tipsa.com](mailto:tipsaex@tipsa.com)