



KURIYAMA
AUSTRALIA PTY LTD

OROFLEX™ 10

Classic Extruded Rubber Lay Flat Hose

Specially Designed for Water Transfer

Reliable, Lightweight and Flexible

Fast Deployment and Retrieval

OROFLEX Series
The Market Leader in Rubber Lay Flat Hose



Color: ●

Black ribbed cover is the standard. Other colors are available upon request.

Applications:

Designed and recommended for water transfer and general pumping duties in irrigation, mining, construction, sewage, draining systems, water bypass operations and cable sheaths.

Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant synthetic nitrile rubber & PVC blend, extruded through the weave and forming a single homogenous construction without the use of glues or adhesives.

Lining Properties:

a. Ultimate Tensile Strength of the lining:
Minimum guaranteed value of 1,500 psi (10,500 kPa).

b. Ultimate Elongation: 400% minimum.

c. Accelerated Aging Test:

The tensile strength and ultimate elongation of the vulcanized rubber compound have been 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 properties of the rubber are at least 60% of the original values.

Abrasion Resistance:

The OROFLEX 10 hose will extend the lifetime of your application when under extreme conditions, where abrasion is the main concern. Abrasion resistance > 2000 cycles.

Service Temperature Range:

-22 °F (-30 °C) to 176 °F (80 °C). Special versions for higher and lower temperatures available upon request.

Ozone Resistance:

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

Chemical Resistance:

Exposure to seawater and contamination by most chemical substances, hydrocarbons, oils, and greases has no effect on the short or long term performance of the hose. A chemical resistance chart is available and Kuriyama Australia will supply specific chemical resistance data when requested by the purchaser for unique applications.

Lengths:

Standard 20m, 100m. Special lengths up to 200m.

Couplings:

As requested by purchaser; Camlock, Bauer, Perrot, Victaulic, Storz, etc.

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 ⁽¹⁾	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 ⁽¹⁾	105	4	2.4	0.094	12	175	30	435	7,900	17,400	1.05	0.71	1.70	5.58
F550996A ⁽²⁾	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 ⁽¹⁾	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

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 Kuriyama Australia.

⁽¹⁾ Hoses to be assembled with Camlock couplings ⁽²⁾ available on minimum order quantity.

Kuriyama Australia 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.



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