

Extruded TPU Fuel & Oil Discharge Lay Flat Hose

Formerly OROFLEX 30 OIL



Specially Designed for Fuel & Oil Transport

Completely Antistatic: 4 grounding wires to help prevent static build up

Premium & Flexible Leak Free Hose for Extreme UV and Ozone Conditions

In compliance with MIL - PRF - 370 Type C for Military Use

Color:



Tan cover is the standard. Other colors available upon request (NATO green also available).



Applications:

Designed and recommended for fuel and oil discharge operations in refineries, maritime industry, chemical plants, and military installations. Ideal for brackish and seawater transfer, ship-to-shore unloading, ship-to-ship refuelling, bulk fuel discharge/loading, tank-to-tank transfer, aircraft refuelling, and home fuel delivery.

Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant thermoplastic polyurethane extruded through the weave, forming a single homogenous construction without the use of glues or adhesives. It includes 4 electrical wires protected with a braided sheet of polyester to help prevent static build up. The construction of the hose does not permit corrosion or scaling, while giving a high resistance against abrasion and cutting. Easy handling, storage & transport, which allows for fast installation and retrieval. 2% maximum hose elongation and 10% maximum hose expansion.

Lining Properties:

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 5,800 psi (40 MPa).
- Ultimate Elongation: 500% minimum.

Lengths:

Standard lengths in 330ft (100m) and 660ft (200m). Longer lengths may be available upon request.

Abrasion Resistance:

The OROFLEX OIL hose will extend the lifetime of your application when under extreme conditions, where abrasion is the main concern. Under practical conditions, thermoplastic polyurethane is considered to be the most abrasion resistant elastomeric material.

Service Temperature Range:

From -58°F (-50°C) to 150°F (65°C), with peaks of up to 175°F (80°C). Special versions for higher and lower temperatures available upon request.

Ozone Resistance:

No visible signs of cracking will appear due to the ozone. Excellent weather and UV resistance.

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 TIPSa will supply specific chemical resistance data when requested by the purchaser for unique applications.

Couplings:

As requested by purchaser; Camlock, Victaulic, Storz, etc. This hose must be properly connected to conductive couplings and properly grounded when transferring fuels in order to prevent electric build up. To do so, the 4 electric wires woven into the body of the hose need to be electrically bonded to the couplings.

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Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure *		Burst Pressure		Tensile Strength		Nominal Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft
F558504A	52	2	1.9	0.08	10.5	150	42	600	5,200	11,500	0.39	0.26
F558506A	65	2 ½	2.2	0.09	10.5	150	42	600	5,200	11,500	0.52	0.35
F558509A	76	3	2.3	0.09	10.5	150	42	600	7,400	16,000	0.64	0.43
F558511A	90	3 ½	2.6	0.10	10.5	150	42	600	6,800	15,000	0.85	0.57
F558510A	102	4	2.7	0.11	10.5	150	42	600	9,400	20,000	1.00	0.67
F558512A	152	6	3.2	0.13	10.5	150	42	600	17,700	39,000	1.75	1.18

* Maximum working pressure for fuel oil (4:1 safety factor). The maximum working pressure of the assembly is given either by the hose or the coupling, whichever is lower.

The OROFLEX OIL hoses are only available on minimum order quantity.

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. Please contact TIPSA or your distributor for more information regarding diameter tolerance.



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

