

DOLPHINFLEX LNG COMPOSITE HOSE

APPLICATION

This high quality Dolphinflex® LNG hoses are used for liquid Nitrogen and LNG liquefied natural gases at extremely low temperature to -196 °C.

Ship to shore, LNG bunkering, Storage tank, In plant, Loading and unloading



CONSTRUCTION

Inner wire	Stainless steel 316
Outer cover	Polyamide White color
Lining	Polyamide fabrics
Outer wire	Stainless steel 316



CHARACTERISTIC

Max. elongation	10% on proof pressure
Min. burst pressure	5x working pressure (Safety factor 5:1)
Temperature range	-196 °C to +50 °C
Electrical resistance	≤ 2.5 Ohm/m for under 50mm (2") ≤ 1.0 Ohm/m for over 50mm (2")

REGULATION

EN13766 : 2010 (Thermoplastic multilayer (non-vulcanized) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas. Specification)

SPECIFICATION

BORE DIAMETER		MAX. WORKING PRESSURE		BEND RADIUS		MAX. WEIGHT		MAX. LENGTH	
INCH	MM	BAR	PSI	INCH	MM	KG/M	LBS/FT	M	FT
1	25	10.5	150	5.9	150	0.9	0.6	21	69
1.5	40	10.5	150	7.9	200	1.5	1	21	69
2	50	10.5	150	7.9	200	2.3	1.53	25	82
2.5	65	10.5	150	7.9	200	4	2.67	25	82
3	80	10.5	150	10	250	5.4	3.6	30	98
4	100	10.5	150	20	500	6.7	4.47	30	98
5	125	10.5	150	22	550	10	6.67	30	98
6	150	10.5	150	26	660	15	10	30	98
8	200	10.5	150	36	910	20.1	13.4	30	98
10	250	10.5	150	59	1500	30.4	20.27	25	82
12	300	10.5	150	100	2500	35.4	23.6	15	49