

DOLPHINFLEX LNG STS COMPOSITE HOSE

Dolphinflex-LNG STS

APPLICATION

This high quality Dolphinflex® LNG STS hoses are used for liquid Nitrogen and LNG liquefied natural gases and specially designed for LNG Ship to ship transfer purpose.

- LNG ship to ship transfer
- LNG Bunkering



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

EN1474-2 : 2008 (Installation and equipment for liquefied natural gas. Design and testing of marine transfer systems. Design and testing of transfer hoses)

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 |

