

# TIFT-Compoflex Composite Hose Products

## MARINE HOSES (HYDROCARBON HOSES)

### Code 982/018: HEAVY DUTY MTBE-MASTER

HEAVY DUTY MTBE-MASTER hoses are engineered to offer the extra chemical resistance of PTFE for the transfer of 100% MTBE (methyl tert-butyl ether) at rated discharge. PTFE layer is protected by layers of special MTBE-resistant, high-strength mono-filament woven polypropylene to eliminate damage caused by inner-wire abrasion in normal flexing and bending. Meet IMO, BCH, IBC codes and current USCG regulations.

**Typical applications:** For all ship, barge and dockside transfer operations.

**Compliance:** IMO type approval for working temperatures  $-4^{\circ}\text{F}(-20^{\circ}\text{C})$  to  $+140^{\circ}\text{F}(+60^{\circ}\text{C})$  and pressure to 150 psi (10.5 bar)

**Conveyants handled:** 100% MTBE (methyl tert-butyl ether) and 100% aromatics. Refer to the Chemical Compatibility Chart for specific recommendations.

#### Features:

- Retains flexibility – even at very low temperatures
- Tough, ozone-resistant PVC outer cover – resists dragging wear and abrasion
- Safe and dependable – tested to industry standard  $1\frac{1}{2}$  times rated working pressure
- Designed, for type approval, to a burst pressure 5 times rated working pressure throughout working temperature range
- Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing



#### Inner Wire

- Galvanized Steel, 316 Stainless steel or polypropylene-coated steel available on request

#### Outer Wire

- Galvanized Steel

#### Carcass

- Multiple layers of polypropylene fabric, PTFE and polypropylene film, and polyester barrier layer

#### Cover

- Abrasion and ozone-resistant PVC-impregnated fabric

#### Temperature Range

- $-22^{\circ}\text{F}(-30^{\circ}\text{C})$  to  $+212^{\circ}\text{F}(+100^{\circ}\text{C})$  (refer to Chemical Compatibility Chart)

#### Color

- Blue with high-visibility orange stripe

#### Couplings

- Externally swaged nipples; fixed, floating or reducing flanges and cam-and-groove couplers

#### Code 982/018 – HEAVY DUTY MTBE-MASTER:

ID in(mm)	OD in(mm)	MAX WP * psi(bar)	MAX WP ** psi(bar)	MIN Bend Radius in(mm)	WEIGHT lb/ft (kg/m)	MAX LEN ft(m)
4 (100)	5 (125)	250 (17.5)	200 (14)	16 (400)	5.3 (8.0)	60 (18)
6 (150)	7 (175)	250 (17.5)	200 (14)	20 (500)	7.3 (11.0)	60 (18)
8 (200)	9½ (238)	250 (17.5)	200 (14)	29 (725)	11.0 (16.5)	50 (15)
10 (250)	11½ (288)	200 (14)	160 (10.5)	36 (900)	14.0 (21.0)	40 (12)

\* 4:1 safety factor

\*\* 5:1 safety factor