

HOSE UMBILICALS

FEATURES & BENEFITS

APPLICATIONS

Umbilicals take many forms and may contain hoses of different types, sizes and pressure ratings. This can include:

- High collapse resistant (HCR) lines for chemical injection
- Umbilicals can be static or dynamic or a combination of both. Lengths may vary from short, in the case of hydraulic flying leads (HFL) to the long, in the case of Workover and control umbilicals (WOCS).

Well control operations demand engineered solutions to maintain control over Blowout Preventers (BOP). Umbilicals and Jumper Bundles are part of the BOP hydraulic system which can be exposed to aggressive conditions and mechanical hazards. Specific cover materials and wire spiral reinforcement give excellent resistance to stress cracking at high pressures and give extremely low volumetric expansion which improves response times.

Chemical injection solutions are used to improve oil recovery through well stimulation, clean blocked perforations and aid flow issues. Polyflex chemical injection umbilicals are multiline hoses with low permeability and chemical resistance combined with the advantage of high working temperatures. Hydraulic control lines and chemical injection lines are available in several sizes to suit all applications.

FEATURES

- Long continuous lengths offered on short lead times (up to 3000m)
- High collapse resistance
- Meet or exceed the requirements of ISO13628-5 / API17E (Specification for Subsea Umbilicals)
- Can be supplied with a variety of covers including spiral guard, textile sleeve and extruded covers
- Withstands high pressure cycle tests (1380 bar, 20,000psi) with no signs of stress cracking
- Proven to handle methanol at 100°C (212°F) and 1035 bar (15,000 psi) working pressure
- Maintains a high percentage of minimum burst when tested at 125°C
- Low volumetric expansion for fast response time
- Weather and ultra high abrasion resistant. The hose is designed for offshore and subsea environments

BENEFITS

- In house design and manufacture
- Very short lead times can be offered
- Specifically designed offshore / subsea umbilicals and jumpers with manufacturer matched end fittings



Please Note: We reserve the right to make technical changes without notice.