Eaton® Synflex®
Subsea Product Line

Hose and Control Bundle Capabilities

EATON
Powering Business Worldwide
Hose Design
- Eaton, through the Synflex brand, has been designing high pressure subsea hoses for over 25 years
- In early years, Synflex was the first to invent thermoplastic hose and have been producing them for over 40 years
- Full range of hose pressures and sizes and materials - Hoses up to 15,000 psi, ID to 2”, continuous lengths over 13,000 ft long
- Leading edge materials and design

Materials Design
- Eaton is constantly researching new materials and developing new hose and tubing with cutting edge capabilities such as:
  - fluoropolymer lined core tube
  - fire resistant extruded jacket
  - 15,000 psi working pressures
- Multi-layer extrusion can solve many of the application problems, such as chemical permeation, that are encountered today

Manufacturing
- Extensive extrusion and reinforcement processes
- These processes are mature with substantial expertise embedded in the plant
- Large cabling equipment for the production of control hose bundles
- Bundling equipment is capable of 6” OD bundles and lengths over 10,000 ft
Over the years, our world-class operations have created tens of millions of feet of high-quality subsea hose and countless miles of subsea control bundles.

We have the right hoses and bundles for your subsea needs.

Fitting Design
- Eaton is world class in the design and production of hose fittings and couplings
- A wide array of designs are available along with the tooling needed to apply them
- Custom design capabilities are also available along with a wide choice of materials, from stainless steel to duplex, and titanium

Bundling of Hose and Wire
- Low tension planetary cabling equipment can produce 10,000 ft bundles, eliminating internal torque
- Low torque results in stable, less “jumpy” bundles
- Bundles are produced with hose, wire, optic fiber, and strength member combinations
- Capable of bundles up to 6” OD and over 10,000 ft
- Hose bundles can be delivered on spools or deployment reels and as complete turnkey systems

Testing
- Testing equipment available for standard quality checks as well as API 17E qualification
- Pressure tests, cleanliness certification, cold temp, bend radius tests are among a few critical tests that are performed in the plant (pressure capability to 40k lbs)
- Other testing requirements are available through the wide Eaton network of service providers

Turnkey Systems
- Control bundle turnkey systems are available
- Hydraulic flying lead turnkey systems are available
- Global availability of turnkey system

For more information on Synflex Products, please refer to our website at: www.eaton.com/hydraulics