

The Eaton logo is displayed in white, bold, sans-serif capital letters. The letter 'E' is stylized with a dot in the center of its top bar. The background is a dark blue gradient.

**EATON**

**Synflex® Subsea Hose Solutions**





HCR Collapse-Proof Hose



High Pressure Hose



## HCR Collapse-Proof Hose

### Applications

- Hydraulic Flying Leads
- Workover Umbilical Component
- Hot Lines
- Chemical and Water Injection

### Specifications

- **Working Pressure:** Available in 5,000 psi and 7,500 psi working pressure. Contact us for additional ratings.
- **Differential Pressure:** All sizes have a minimum of 5,000 psi differential pressure and up to 9,000 psi. Capable of service at more than 10,000 feet below sea level.
- **Compliance and Testing:** API 17E, ExxonMobile GP 65-05-06, GP 65-05-03

### Construction

- **Cover** – Nylon. Standard cover is chemical resistant and UV resistant.
- **Reinforcement** – Aramid (Kevlar®) fiber bonded to the core tube. Engineered to provide high pressure and lower volumetric expansion.
- **Core** – The tube is a smooth, seamless, continuous extrusion of Nylon 11 Besno P40TLO for compatibility with methanol and other commonly used well chemicals.
- **Carcass** – A flexible 316 stainless steel interlocking metal carcass capable of withstanding over 5,000 psi differential pressure. 316 stainless steel provides excellent corrosion resistance.

## High Pressure Hose

### Applications

- Hydraulic Flying Leads
- Workover Umbilical Component
- BOP Bundle Component
- Hot Lines
- Chemical Injection
- Water Injection

### Specifications

- **Working Pressure:** Available in 5,000, 10,000 and 15,000 psi working pressure. Most sizes with a 4:1 safety factor.
- **Compliance and Testing:** API 17E for most sizes
- SAE J343 test procedures

### Construction

- **Cover** – Nylon and urethane. Standard cover is highly UV resistant formulated for long term aging and resistance to hydrolysis.
- **Reinforcement** – Aramid (Kevlar) fiber. Engineered to provide high pressure and lower volumetric expansion.
- **Core** – The tube is a smooth, seamless, continuous extrusion of Besno Nylon 11 P40TLO.

## Synflex® Subsea Hose from Eaton™

For more than 40 years, Synflex has provided innovative products for subsea applications. Our engineers are experts in understanding material properties and solving technical problems. Synflex bundles are built to meet and exceed the most demanding requirements, including API 17E. We specialize in producing long continuous lengths of subsea hose.





Blow-Out Prevention Bundles (BOP)

Workover Bundles

Over the years, our world-class operations have created tens of millions of feet of high-quality subsea hose.

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



## Blow-Out Prevention (BOP) Bundles

### Applications

- Pod Hose Bundles
- Hydraulic Control Bundles
- Electro-Hydraulic Bundles
- Optic-Hydraulic Bundles

### Specifications

- **Working Pressure:** Available in 3,000 psi and 5,000 psi configurations. Other pressures can be used up to 10,000 psi working pressure. Most sizes with a 4:1 safety factor.
- All qualification data, cleanliness data and FAT testing available.

### Construction

- **Cover** – Selection of durable extruded materials including urethane, polyethylene and nylon. Black, yellow or other colors available. Jacket labeling in footage increments.
- **Reinforcement** – Aramid (Kevlar) fiber in most pilot lines for immediate signaling. Polyester reinforcement available for hydraulic supply lines.
- **Core** – The tube is typically a smooth, seamless and continuous extrusion of Nylon 11.

## Workover Bundles

### Applications

- IWOC
- Configured for Multiple Tasks
- Hydraulic Control, Chemical Injection, Signaling
- Optic Fiber, Electric, Hydraulic

### Specifications

- **Working Pressure:** Hose components up to 15,000 psi working pressure. Most sizes with a 4:1 safety factor.
- Most hoses and bundle configurations fully tested to API 17E.

### Construction

- **Cover** – Selection of durable extruded materials including urethane, polyethylene and nylon. Black, yellow or other colors available. Jacket labeling in footage increments.
- **Reinforcement** – Jacket can be constructed with embedded Aramid (Kevlar) fiber for additional strength.
- **Bundle Components** – Can be comprised of high pressure hose, electrical cables and fiber optics.

For more information on Synflex Products, please refer to our website at: [www.synflexhose.com](http://www.synflexhose.com)

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