

## Flexible Choke & Kill Hose:



### • Application:

API 16C Choke and Kill Line Is an Importance Part in Choke and Kill System, Which Is an Integral Part of Surface and Subsea Blowout Prevention Equipment. 1. This Hose Allows to Pump Fluid to The Well When Normal Circulation Through the Drill String Can't Be Employed, 2. Additionally the Choke Line and Manifold Provide a Means of Applying Back Pressure on The Formation While Circulating Out Formation Fluid Influx into The Well Bore Following a Kick, 3. Standard & Sour Service

### • Standard: API Spec 16C

### • Hose structure:

- Internal Tube: Particular Polymer Engineering Plastic as Inner Sealing Tube
- Internal Rubber Liner: HNBR Based Inner Sealing Elastomer, Which Is Good for Fluid with H S, Oil Resistance, Corrosion Resistance, High Temperature Resistance, Gas Permeation Resistance
- Breaker Layer and External Protection Layer: High Tension Textile Fabric
- Reinforcement For Major Pressure Withstand: High Strength Steel Cable
- Fire Shield Layer: Glass Fiber Cloth
- Cover: Neoprene Rubber Based Cover Layers, Fire Resistance, Wear Resistance, Oil Resistance, Ozone & Ageing Resistance, UV Resistance Which Is Applicable for Critical Marine Environment
- Hose Passed Verification Test Specified in Clause B12 Of API 16C
- Heat Trace Cable Can Be Assembled by Functional Requirement
- Different Option of External Protection Layer Are Available as Request or By Our Recommendation According to Operation Condition, For Example Stainless Steel Armor Outer Wrap, Embedded Stainless Steel Wire in Cover, Or Polyethylene Spiral Guard, Etc.

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- Working Temperature Range: -18° To +66°C
- Flexibility Specification Level: FSL0, FSL1, FSL2, FSL3
- Maximum Length: 45 Meter
- Length Tolerance: Length Up To 6 Meter, With Tolerance  $\pm 65$  Mm; Length Longer Than 6 Meter with Tolerance  $\pm 2\%$
- Measurement Basis of Minimum Bending Radius (MBR) Is Center Line of Each Hose.

| <br>Internal Diameter<br>(inch) (mm) |       | <br>Flame Shield | <br>Armored | <br>Working Pressure<br>(bar) (psi) |        | <br>Burst Pressure<br>Safety Coefficient (psi) |        | <br>S<br>Safety Coefficient | <br>FSL | <br>MBR (Operation)<br>(mtr.) | <br>Length Max<br>(mtr.) |
|-----------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 2                                                                                                                     | 50.8  | Yes                                                                                               | No                                                                                           | 345                                                                                                                  | 5,000  | 517                                                                                                                             | 7,500  | 2.25                                                                                                           | FSL                                                                                        | 900                                                                                                              | 45                                                                                                          |
| 2                                                                                                                     | 50.8  | Yes                                                                                               | Yes                                                                                          | 345                                                                                                                  | 5,000  | 517                                                                                                                             | 7,500  | 2.25                                                                                                           | FSL                                                                                        | 1000                                                                                                             | 45                                                                                                          |
| 2                                                                                                                     | 50.8  | Yes                                                                                               | No                                                                                           | 690                                                                                                                  | 10,000 | 1034                                                                                                                            | 15,000 | 2.25                                                                                                           | FSL                                                                                        | 1000                                                                                                             | 45                                                                                                          |
| 2                                                                                                                     | 50.8  | Yes                                                                                               | Yes                                                                                          | 690                                                                                                                  | 10,000 | 1034                                                                                                                            | 15,000 | 2.25                                                                                                           | FSL                                                                                        | 1000                                                                                                             | 45                                                                                                          |
| 2                                                                                                                     | 50.8  | Yes                                                                                               | No                                                                                           | 1034                                                                                                                 | 15,000 | 1552                                                                                                                            | 22,500 | 2.25                                                                                                           | FSL                                                                                        | 1300                                                                                                             | 45                                                                                                          |
| 2                                                                                                                     | 50.8  | Yes                                                                                               | Yes                                                                                          | 1034                                                                                                                 | 15,000 | 1552                                                                                                                            | 22,500 | 2.25                                                                                                           | FSL                                                                                        | 1300                                                                                                             | 45                                                                                                          |
| 3                                                                                                                     | 76.2  | Yes                                                                                               | No                                                                                           | 345                                                                                                                  | 5,000  | 517                                                                                                                             | 7,500  | 2.25                                                                                                           | FSL                                                                                        | 1200                                                                                                             | 45                                                                                                          |
| 3                                                                                                                     | 76.2  | Yes                                                                                               | Yes                                                                                          | 345                                                                                                                  | 5,000  | 517                                                                                                                             | 7,500  | 2.25                                                                                                           | FSL                                                                                        | 1300                                                                                                             | 45                                                                                                          |
| 3                                                                                                                     | 76.2  | Yes                                                                                               | No                                                                                           | 690                                                                                                                  | 10,000 | 1034                                                                                                                            | 15,000 | 2.25                                                                                                           | FSL                                                                                        | 1500                                                                                                             | 45                                                                                                          |
| 3                                                                                                                     | 76.2  | Yes                                                                                               | Yes                                                                                          | 690                                                                                                                  | 10,000 | 1034                                                                                                                            | 15,000 | 2.25                                                                                                           | FSL                                                                                        | 1500                                                                                                             | 45                                                                                                          |
| 3                                                                                                                     | 76.2  | Yes                                                                                               | No                                                                                           | 1034                                                                                                                 | 15,000 | 1552                                                                                                                            | 22,500 | 2.25                                                                                                           | FSL                                                                                        | 1700                                                                                                             | 45                                                                                                          |
| 3                                                                                                                     | 76.2  | Yes                                                                                               | Yes                                                                                          | 1034                                                                                                                 | 15,000 | 1552                                                                                                                            | 22,500 | 2.25                                                                                                           | FSL                                                                                        | 1700                                                                                                             | 45                                                                                                          |
| 4                                                                                                                     | 101.6 | Yes                                                                                               | No                                                                                           | 345                                                                                                                  | 5,000  | 517                                                                                                                             | 7,500  | 2.25                                                                                                           | FSL                                                                                        | 1500                                                                                                             | 45                                                                                                          |
| 4                                                                                                                     | 101.6 | Yes                                                                                               | Yes                                                                                          | 345                                                                                                                  | 5,000  | 517                                                                                                                             | 7,500  | 2.25                                                                                                           | FSL                                                                                        | 1500                                                                                                             | 45                                                                                                          |
| 4                                                                                                                     | 101.6 | Yes                                                                                               | No                                                                                           | 690                                                                                                                  | 10,000 | 1034                                                                                                                            | 15,000 | 2.25                                                                                                           | FSL                                                                                        | 1600                                                                                                             | 45                                                                                                          |
| 4                                                                                                                     | 101.6 | Yes                                                                                               | Yes                                                                                          | 690                                                                                                                  | 10,000 | 1034                                                                                                                            | 15,000 | 2.25                                                                                                           | FSL                                                                                        | 1600                                                                                                             | 45                                                                                                          |

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