Cryoflex® 50 Hose
Type SSN940

Application:
This type is designed for the safe transfer of fully refrigerated conveyants in road and railcar, in plant and ship-to-shore or ship-to-ship transfer applications including the following Acetaldehyde, Ammonia (anhydrous), Butadiene, Butane/Propane, Butylene, Ethylamine, Ethylene, Polypropylene, Refrigerant Gasses, Vinyl Chloride.

Also suitable for Liquid Ethane to -128°F (-89°C), Liquid Ethylene to -157°F (-105°C) and Liquid CO2.

Construction:
- Color/Cover: White green stripe/Nylon (rope lagging for extra protection and insulation available)
- Inner Wire: T316 Stainless Steel
- Inner lining: Nylon
- Carcass: Polyamide, Nylon fabrics and Polyamide films
- Outer Wire: T316 Stainless Steel
- Logo: Cryoflex® 50

Physical properties:
- Temperature Range: -128°F to -150°F (-89°C to +66°C)
- Maximum elongation: ≤10% on test pressure
- Vacuum range: 26 inHg (660 mmHg), 0.9 bar
- Electrical properties: Electrically Conductive
  - ≤1.0 ohm/m for size 2” and above

Standards:
EN13766:2010, USCG 33CFR 127.1102

Approvals:
Bureau Veritas Type Approval for IGC & IBV Code and relevant requirements of the Society for handling Propane, Propylene, Butylene, Butane, Anhydrous Ammonia and Vinyl Chloride for 4” to 8” diameter hose.

End Fittings:
Specially designed end fittings have been developed for use with United Flexible composite hoses that have a unique leak-proof sealing face and specially machined helical spiral shank which engages into the corresponding internal helix wire when secured into the hose by either crimping or swaging the external ferrules. See page 22 for more information about end connections.

### TECHNICAL DATA: TYPE SSN940

<table>
<thead>
<tr>
<th>Inside Diameter</th>
<th>Working Pressure</th>
<th>Min. Bend Radius</th>
<th>Approx Weight</th>
<th>Maximum Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>mm</td>
<td>PSI</td>
<td>Bar</td>
<td>Inches</td>
</tr>
<tr>
<td>1</td>
<td>25</td>
<td>350</td>
<td>25</td>
<td>6.0</td>
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<tr>
<td>1 ½</td>
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<tr>
<td>10</td>
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<td>59</td>
</tr>
</tbody>
</table>

Pressure based on safety factor 5:1
Dimensions and weight are approximate and are subject to change
For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering
Increased operating temperatures will reduce working pressure of the assemblies
Fitting pressure rating may limit or reduce the rated working pressure of the assembly
Rated working pressure is @ 70°F (21°C)