40 RDX LS PERFACORD®
Oil and Gas Well Application

**Description:**
- RDX explosive core
- Shrink resistant braid (yellow)
- Nylon jacket (black)

**Application:**
Reduced dimension RDX textile detonating cord is produced using shrinkage resistant components. It is designed for use in RTG (retrievable tubing gun) perforating systems. It can be deployed within the normal temperature operating range for RDX based explosives (see graph) in carrier based systems. Users must satisfy themselves as to a product’s suitability for an exposed application.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Explosive</td>
<td>40 gr/ft nominal (8.50 g/m)</td>
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<tr>
<td>Core Load</td>
<td>30 gr/ft min. (6.40 g/m)</td>
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<tr>
<td>Detonation</td>
<td>6,800 m/s nominal (21,981 ft/s)</td>
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<tr>
<td>Velocity</td>
<td>6,400 m/s min. (20,336 ft/s)</td>
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<tr>
<td>Diameter</td>
<td>0.171 inches nominal (4.34 mm) +/- 0.008 inches</td>
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<tr>
<td></td>
<td>0.179&quot; (4.55 mm)</td>
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<tr>
<td></td>
<td>0.163&quot; (4.14 mm)</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>1% Max. @ 325°F 24 Hrs</td>
</tr>
<tr>
<td>Jacket Thickness</td>
<td>0.008&quot; min.</td>
</tr>
<tr>
<td>Lap Joint</td>
<td>Yes</td>
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<tr>
<td>Sensitive</td>
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</table>

**Temperature (degrees F)/ Time Exposure**

- Temperature resistance is based upon the manufacturer’s laboratory tests in air at ambient pressure only. No claim, representation, or warranty of any kind is made, expressed or implied, as to the temperature resistance of this product under actual conditions. Users must satisfy themselves as to a product’s suitability for a specific application. The temperatures listed are maximum values. DO NOT EXCEED.
- Shrinkage is defined as the overall decrease in length.
- Velocity was tested unconfined, at ambient pressure, and after "cool down".

**Warning:** Use of this product by persons who lack adequate training experience and supervision may kill or injure.

**Application Recommendations**

This product is not recommended for exposure to well bore fluids.
- NEVER use PERFACORD® 40 RDX LS in exposed well bore conditions.
- ALWAYS cut PERFACORD® 40 RDX LS detonating cord with a sharp knife.
- NEVER attempt to cut PERFACORD® 40 RDX LS detonating cord with a blow from a sharp or blunt object, such as an axe, pipe wrench, or rock.
NEVER saw PERFACORD® 40 RDX LS detonating cord; it may explode and kill or injure.
NEVER cut detonating cord with devices that produce metal-to-metal contact, such as scissors, wire cutters, crimpers or similar instruments.

**Storing**

Detotec PERFACORD® must be shipped, stored, and handled in accordance with all federal, state, provincial and local laws. Recommended shelf life under proper storage conditions is ten (10) years from date of manufacture. Use older inventory first.

Detotec PERFACORD® must be stored in a cool, dry, well-ventilated, licensed storage magazine for maximum shelf life.

**Shipping Information**

Package Size: 10 9/16" x 10 9/16" x 5 5/16" 4G fiberboard box
Package wt: 10.5 lbs (4.8 Kg) gross
Contents: 1-500 ft. spool & "Warnings/Instructions/Disclaimer" insert. 500 ft. spools may contain as many as four (4) pieces, totaling 500 ft.(152.4m), with a minimum splice/piece length of 50 ft.
UN Name: Cord, Detonating
UN Num.: 0065
UN Class: 1.1D
Ref. Num.: EX-2005100219
Explosive wt: 2.86 lbs (1.3 Kg)

**Alternate PERFAPACK® 1.4S air cargo shipping containers packaging:**
Product Code: 40R211A

Components, Explosive Train, N.O.S., 1.4S UN0384 II EX 2003080150

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**DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITIES**

Because these products are used under varying conditions over which Detotec has no control the products described herein are sold by Detotec without warranty, express or implied, including without limitation, any implied warranty of merchantability or fitness for a particular purpose and/or any other warranty. Under no circumstances shall seller be liable for damages for loss of anticipated profits, consequential damages, incidental damages or losses or damages to persons or property arising from the use of its products.

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