FireLine™
8/40 HMX LS RIBBON
Oil Field Detonating Cord

Product Description
FIRELINE 8/40 HMX LS RIBBON is specially processed ribbon detonating cord using “shrinkage resistant” construction components. Its recommended application is “RTG” (retrievable tubing gun) perforating systems (1-11/16", 2-1/8", 2-3/4") and should be employed within the normal HMX operating range (see graph below). Ribbon cord utilizes minimum carrier I.D. space allowing for an application of a larger designed shape charge.

Temperature Range
The temperatures listed are maximum values. DO NOT EXCEED.

Explosive Core Load
8.6 g/m (40 gr/ft) nominal
7.2 g/m (34 gr/ft) minimum

Detonation Velocity
7800 m/s (24,600 ft/s) nominal
7100 m/s (22,960 ft/s) minimum

Shrinkage
1% maximum @ 163°C (325°F) in 24 hrs

Jacket Thickness
0.20 mm (0.008 in) minimum

Dimensions
5.53 mm (0.218 in) width maximum
3.30 mm (0.130 in) height maximum

Lap Joint Sensitive
Yes

Product Code
A545010

Cord Components
HMX explosive core (white)
Shrink resistant wrap (yellow/gold)
Nylon jacket (green)

- **Temperature resistance** is based upon the manufacturer’s laboratory tests in air, at ambient pressure only.
- **Shrinkage** is defined as the overall decrease in length.
- **Velocity** was tested unconfined, at ambient pressure, and after “cool down.”

Hazardous Shipping Description
Cord, Detonating, 1.1D, UN 0065 II EX 1992020035
Alternative packaging: FIREPAK® 1.4D air cargo shipping containers
Product Code A545015
Cord, Detonating, 1.4D UN 0289 II EX 19995050048

See Product Disclaimer on page 2.
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Transportation, Storage and Handling
• For maximum shelf-life, detonating cord must be stored in cool, dry, well-ventilated magazines. Explosives inventory should be rotated. Use older inventory first. Recommended shelf life, under proper storage conditions, is ten (10) years from date of manufacture.
• FIRELINE 8/40 HMX LS RIBBON detonating cords must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.

Application Recommendations
• **This product is not recommended for exposure to well bore fluids.**
• **ALWAYS** cut FIRELINE 8/40 HMX LS RIBBON detonating cord with a sharp knife.
• **NEVER** attempt to cut FIRELINE 8/40 HMX LS RIBBON detonating cord with a blow from a sharp or blunt object, such as an axe, pipe wrench, or rock.
• **NEVER** saw FIRELINE 8/40 HMX LS RIBBON 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, crimper or similar instruments.

Packaging

<table>
<thead>
<tr>
<th>Package</th>
<th>Gross Weight</th>
<th>Net Weight</th>
<th>Explosive Weight</th>
<th>Spools/Case</th>
<th>Length/Spool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiberboard box</td>
<td>3.3 kg</td>
<td>3.1 kg</td>
<td>1.3 kg</td>
<td>2.9 lbs</td>
<td>1</td>
</tr>
</tbody>
</table>

Case Dimensions

26 x 26 x 14 cm 10 ¼ x 10 ¼ x 5 ½ in

Product Disclaimer