JRC SAP# 100005308 and 100157019

FireLine
17/80 RDX LS
Oil Field Detonating Cord

Product Description
FireLine 17/80 RDX LS is designed for tubing or wireline conveyed perforating systems (reference graph at left) where explosive component interfaces may be affected. This product has also been successfully deployed in exposed “downhole” service applications within RDX operating ranges.

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

Explosive Core Load 17 g/m (60 g/ft) nominal
15 g/m (72 g/ft) minimum
Detonation Velocity 7500 m/s (24,800 ft/s) nominal
7000 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
5.33 mm (0.210 in) nominal
± 0.20 mm (0.008 in)
Lap Joint Sensitive Yes
Product Code A578010
Cord Components RDX explosive core (dyed pink)
Shrink resistant braid (yellow/gold)
Nylon jacket (black)

- **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® 1.4S air cargo shipping containers
Product Code A578017
Articles, Explosive N.O.S., 1.4S UN 0349 II EX 1999010231

See Product Disclaimer on page 2.
FireLine™
17/80 RDX LS

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 17/80 RDX LS 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.
• NEVER use FIRELINE 17/80 RDX LS in exposed well bore conditions.
• ALWAYS cut FIRELINE 17/80 RDX LS detonating cord with a sharp knife.
• NEVER attempt to cut FIRELINE 17/80 RDX LS detonating cord with a blow from a sharp or blunt object, such as an axe, pipe wrench, or rock.
• NEVER saw FIRELINE 17/80 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.

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>5.1 kg</td>
<td>11.2 lbs</td>
<td>4.9 kg</td>
<td>10.7 kg</td>
<td>2.6 lbs</td>
</tr>
</tbody>
</table>

X-Ray services are also available for high profile applications requiring an extra level of assurance. Product Code A578011.

FIREPAK® 1.4D packaging available. Product code A578015.

Case Dimensions
26 x 26 x 14 cm 10 ¼ x 10 ¼ x 5 ½ in