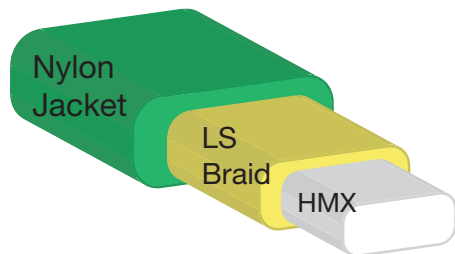


# FireLine™ 10/50 HMX LS RIBBON

## Oil Field Detonating Cord

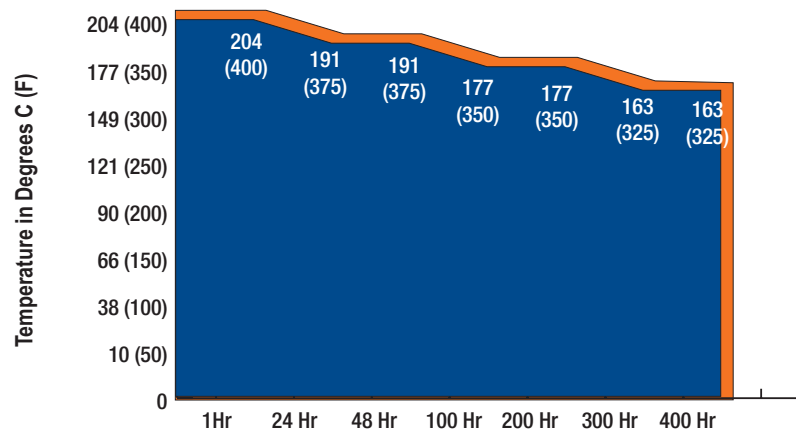


### Product Description

FIRELINE 10/50 HMX LS RIBBON is specially processed using “shrinkage resistant” construction components. Its recommended application is “RTG” perforating gun systems using normal HMX operating range (see graph below).

### Temperature Range

The temperatures listed are maximum values. DO NOT EXCEED.



## Technical Information



## Properties

MSDS  
#1121

<b>Explosive Core Load</b>	10.6 g/m (50 gr/ft) nominal 9.6 g/m (45 gr/ft) minimum
<b>Detonation Velocity</b>	7800 m/s (25,584 ft/s) nominal 7100 m/s (23,288 ft/s) minimum
<b>Shrinkage</b>	1% maximum @ 163°C (325°F) in 24 hrs
<b>Jacket Thickness</b>	0.356 mm (0.014 in) nominal
<b>Dimensions</b>	5.53 mm (0.218 in) width maximum 3.43 mm (0.135 in) height maximum
<b>Lap Joint Sensitive</b>	Yes
<b>Product Code</b>	A361010
<b>Cord Components</b>	HMX explosive core (white) Shrink resistant wrap (yellow/gold) Nylon jacket (green)

- **Temperature resistance** is based upon the manufacturer’s laborator 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 A361015

Cord, Detonating, 1.4D, UN 0289 II EX 1997010143



S-05-02-20-07

See Product Disclaimer on page 2.

# FireLine™

## 10/50 HMX LS RIBBON

## Technical Information



### 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 10/50 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 10/50 HMX LS RIBBON detonating cord with a sharp knife.
- **NEVER** attempt to cut FIRELINE 10/50 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 10/50 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, crimpers or similar instruments.

### Packaging

Package	Gross Weight		Net Weight		Explosive Weight		Spools/Case	Length/Spool*	
	kg	lbs	kg	lbs	kg	lbs		m	ft
Fiberboard box	3.6	8.0	3.4	7.5	1.5	3.4	1	152	500

• Weights represent nominal values.

\*  $\pm 2\%$ ; 152m spools may contain as many as 3 pieces, totally 152 m, with a minimum splice piece length of 8 m (25 ft).

CE0519 ENB/C/021/06

### Case Dimensions

26 x 26 x 14 cm 10 ¼ x 10 ¼ x 5 ½ in

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