

TECHNICAL DATA SHEET



FIRELINE® 10/50 HMX LS RIBBON

Oil Field Detonating Cord

Properties

SDS
#1121

Explosive Core Load	10.6 g/m (50 gr/ft) nominal 9.6 g/m (45 gr/ft) minimum
Detonation Velocity	7800 m/s (25,584 ft/s) nominal 7100 m/s (23,288 ft/s) minimum
Shrinkage	1% maximum @ 163°C (325°F) in 24 hrs
Jacket Thickness	0.356 mm (0.014 in) minimum
Dimensions	5.53 mm (0.218 in) width maximum 3.34 mm (0.135 in) height maximum
Lap Joint Sensitive	Yes
Product Code	A361010
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."



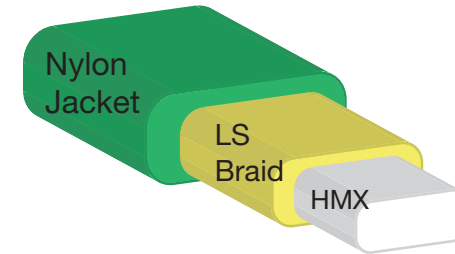
Hazardous Shipping Description

Cord, Detonating, 1.1D, UN 0065 EX 1992020035

Alternative packaging: FIREPAK® 1.4D air cargo shipping containers

Product Code A361015

Cord, Detonating, 1.4D UN 0289 EX 1997010143

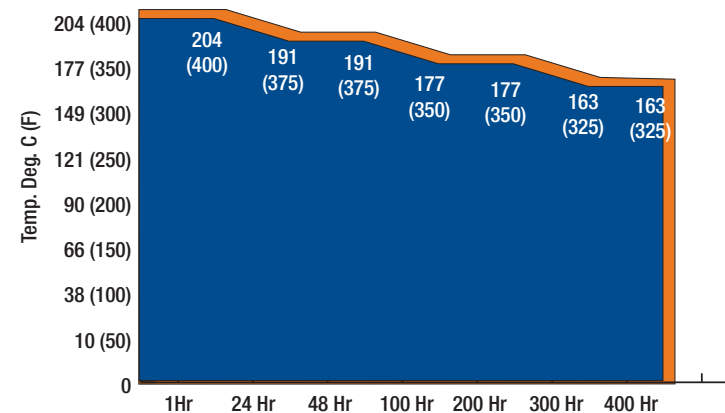


Product Description

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.**



ADDITIONAL INFORMATION – Visit dynonobel.com for Brochures and Case Studies related to this product.

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Oil Field Detonating Cord

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		spool/ 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
Airpack Box	16.6	36.6	3.4	7.5	1.5	3.4	1	152	500

- **Weights represent nominal values.**

* **+2%; 152m spools may contain as many as 4 pieces, totally 152 m, with a minimum splice/piece length of 8 m (25 ft).**

CE 0519 ENB/C/021/06

Case Dimensions

Fiberboard: 26 x 26 x 14 cm / 10.25 x 10.25 x 5.5 in

Airpack: 74.3 x 44.1 x 068.27 cm / 29.25 x 17.375 x 26.875 in

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