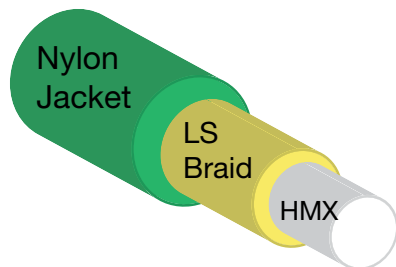


FireLine® 8/40 HMX LS

Oil Field Detonating Cord

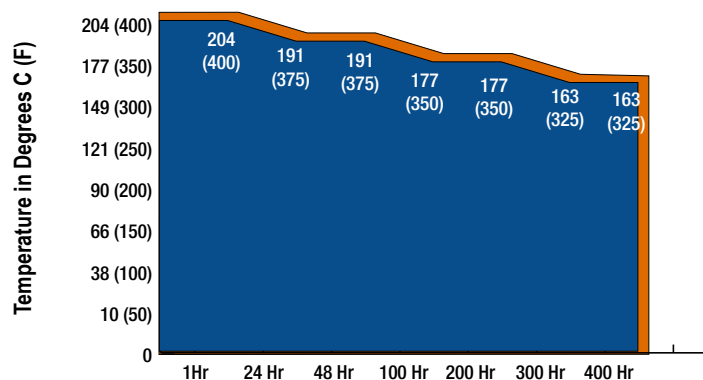


Product Description

FIRELINE 8/40 HMX LS is manufactured in the standard round configuration (small dimensional) using “shrinkage resistant” construction components. It is designed for use in “RTG” (retrievable tubing gun) perforating systems (1-11/16”, 2-1/8”, 2-3/8”, 2-3/4”). FIRELINE 8/40 HMX LS is recommended for use in carrier based systems operated within normal HMX operating ranges (see graph below).

Temperature Range

The temperatures listed are maximum values. DO NOT EXCEED.



Technical Information



Properties

MSDS
#1121

Explosive Coreload	8.6 g/m (40 gr/ft) nominal 6.4 g/m (34 gr/ft) minimum
Detonation Velocity	6800 m/s (22,304 ft/s) nominal 6400 m/s (20,922 ft/s) minimum
Shrinkage	1% maximum @ 163°C (325°F) in 24 hrs
Jacket Thickness	0.20 mm (0.008 in) minimum
Dimensions	4.34 mm (0.171 in) nominal ± 0.254 mm (0.010 in)
Lap Joint Sensitive	Yes
Product Code	A544010
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 A544015

Cord, Detonating, 1.4D UN 0289 II EX 1995050048



S-18-07-31-07

See Product Disclaimer on page 2.

FireLine® 8/40 HMX LS

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.
- FIRELINE8/40 HMX 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 this product in open well bore conditions.
- **ALWAYS** cut FIRELINE 8/40 HMX LS detonating cord with a sharp knife.
- **NEVER** attempt to cut FIRELINE 8/40 HMX LS 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 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	3.3	9.0	3.0	6.5	1.3	2.9	1	152	500

- Weights represent nominal values.

* +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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