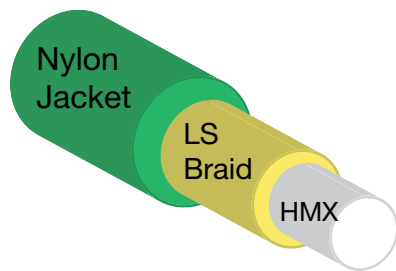


FireLine® 17/80 HMX LS XHV

Oil Field Detonating Cord

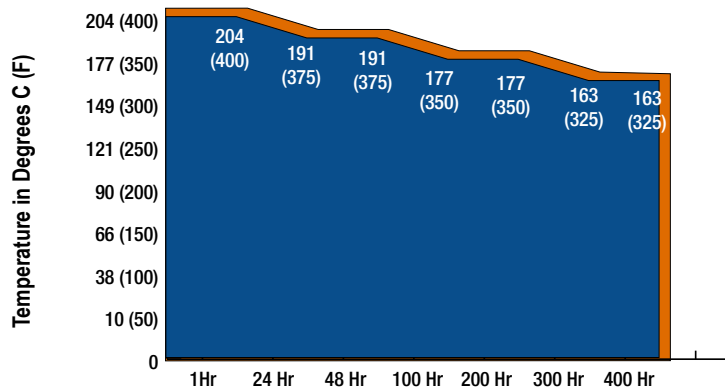


Product Description

FIRELINE 17/80 HMX LS XHV is designed for use in “high shot density” perforating systems where charge interference may be of concern and employs “shrinkage resistant” construction materials with a higher nominal velocity of detonation (+13% nominal VOD) than standard HMX cord. A more flexible nylon jacket facilitates easier installation in the newer combination (wireline and/or TCP) high shot density systems that use significant charge alignment deviations. Recommended service applications are within the normal HMX operating range (see graph below).

Temperature Range

The temperatures listed are maximum values. DO NOT EXCEED.



Technical Information



Properties

MSDS
#1121

Explosive Core Load	17 g/m (80 gr/ft) nominal 15.3 g/m (72 gr/ft) minimum
Detonation Velocity	8000 m/s (26,240 ft/s) nominal 7500 m/s (24,600 ft/s) minimum
Shrinkage	1% maximum @ 163°C (325°F) in 24 hrs
Jacket Thickness	0.20 mm (0.008 in) nominal
Dimensions	5.33 mm (0.210 in) nominal ±0.20 mm (0.008 in)
Lap Joint Sensitive	Yes
Product Code	A572010
Cord Components	HMX explosive core (white) Shrink resistant braid (yellow/gold) Nylon jacket, <i>High Flexibility</i> (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® 1.4S air cargo shipping containers

Product Code A572017

Articles, Explosive N.O.S., 1.4S UN 0349 II EX 1999010231



S-11-07-31-07

See Product Disclaimer on page 2.

FireLine®

17/80 HMX LS XHV

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 17/80 HMX LS XHV 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 17/80 HMX LS XHV detonating cord with a sharp knife.
- **NEVER** attempt to cut FIRELINE 17/80 HMX LS XHV detonating cord with a blow from a sharp or blunt object, such as an axe, pipe wrench, or rock.
- **NEVER** saw FIRELINE 17/80 HMX LS XHV 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.
- **NEVER** use this product in open well bore conditions.

Packaging

Package	Gross Weight		Net Weight		Explosive Weight		Spools/Case	Length/Spool*	
	kg	lbs	kg	lbs	kg	lbs		m	ft
Fiberboard box	5.1	11.2	4.9	10.7	2.6	5.7	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).

X-Ray services are also available for high profile applications requiring an extra level of assurance. Product Code: A572011.

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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