

TECHNICAL DATA SHEET



FIRELINE® 17/80 HMX LS

Oil Field Detonating Cord

Properties

SDS
#1121

Explosive Core Load	17 g/m (80 gr/ft) nominal 15.3 g/m (72 gr/ft) minimum
Detonation Velocity	7500 m/s (24,600ft/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) nominal
Dimensions	5.33 mm (0.210 in) nominal ±0.20 mm (0.008 in)
Lap Joint Sensitive	Yes
Product Code	A571010
Cord Components	HMX explosive core (white) Shrink resistant braid (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."

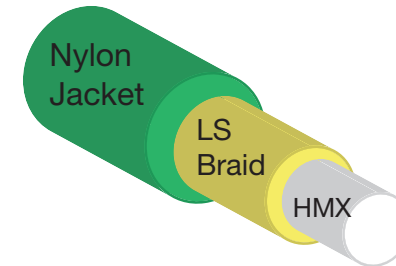
Hazardous Shipping Description

Cord, Detonating, 1.1D, UN 0065 EX 1992020035

Alternative packaging: FIREPAK® 1.4D air cargo shipping containers

Product Code A571015

Cord, Detonating, 1.4D UN 0289 EX 1995050048

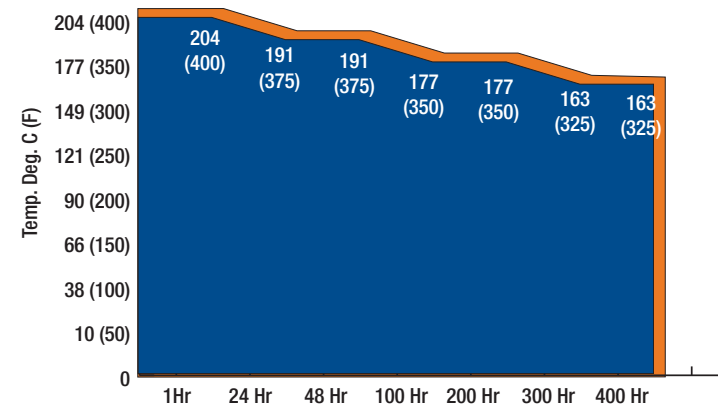


Product Description

FIRELINE 17/80 HMX LS is designed to be used in carrier-based perforating systems within HMX time and temperature operating ranges, where the jacket is protected or not exposed systems shall be employed within time and temperature limits (see graph). Nylon jacket limitations will not normally permit this product to be used in exposed applications within HMX application ranges.

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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FIRELINE® 17/80 HMX LS

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 17/80 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.**
- **ALWAYS** cut FIRELINE 17/80 HMX LS detonating cord with a sharp knife.
- **NEVER** attempt to cut FIRELINE 17/80 HMX 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 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		Spool/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
Airpack Box	17.9	39.5	4.9	10.7	2.6	5.7	1	152	500

* Weights represent nominal values

* All Weights are approximate

* $\pm 2\%$; 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: A574011 (1.1D) & A571016 (1.4D)

For 1.1D Detonating Cord marked every meter, use Product Code A571010BZ

For 1.4D Detonating Cord marked every meter, use Product Code A571015BZ

CE 0519 Certificate Number ENB/C/021/04

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 68.27 cm / 29.25 x 17.375 x 26.875 in

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