

TECHNICAL DATA SHEET



FIRELINE® 17/80 HNS 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	6400 m/s (21,000 ft/s) nominal 6200 m/s (20,340 ft/s) minimum
Shrinkage	1% maximum @ 246°C (475°F) in 24 hrs
Jacket Thickness	0.20 mm (0.008 in) minimum
Dimensions	5.33 mm (0.210 in) nominal ±0.20 mm (0.008 in)
Lap Joint Sensitive	No
Product Code	A585010 500 ft/spool A585003 100 ft/spool
Cord Components	HNS explosive core (yellow) Shrink resistant braid (yellow/gold) Two black stripes / Teflon® jacket (clear)

TEMPERATURE	PRESSURE	DURATION
425° F / 218° C	17,500 PSI	1 Hour

- Temperature Resistance graph 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.



Hazardous Shipping Description

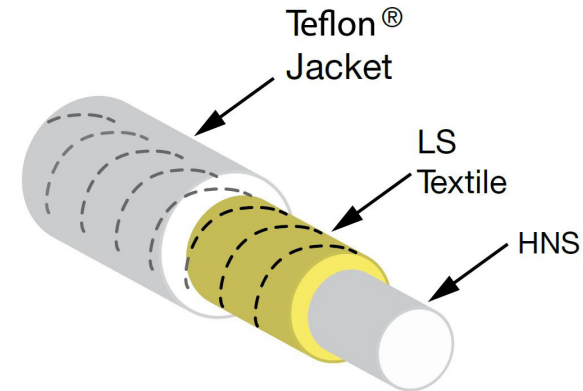
Cord, Detonating, 1.1D, UN 0065 EX 2007120149
Product Code: A585010, A585010D

Alternative Packaging: FIREPAK® 1.4 D air cargo shipping containers

Product Code: A585015 A585015D
Cord, Detonating, 1.4D UN 0289 EX 2007060067

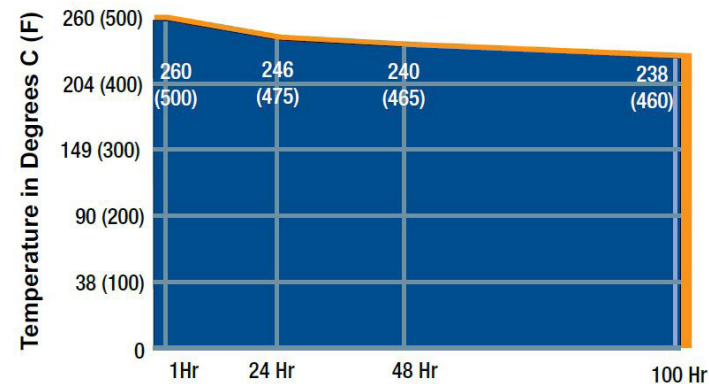


Teflon® is a registered trademark of the E. I. Dupont Company



PRODUCT DESCRIPTION

FIRELINE 17/80 HNS LS is a flexible Ultra High Temperature detonating cord specifically developed for perforating systems that exceed the limits of FIRELINE 17/80 HMX. FIRELINE 17/80 HNS LS is Dyno Nobel's best detonating cord for use in ultra high temperature environments and is made from the highest purity HNS explosive feedstock commercially available with "shrinkage resistant" construction and a special extruded high temperature jacket. In addition, FIRELINE 17/80 HNS LS can be used in exposed service systems under certain conditions. Contact your Dyno Nobel representative for details.



Product Disclaimer: Please see reverse side.



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FIRELINE® HNS 17/80 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 five (5) years from date of manufacture.
- FIRELINE detonating cords must be transported, stored, handled and used in conformance with all federal, state, provincial and local laws and regulations.

APPLICATION RECOMMENDATIONS

- **This product is recommended for exposure to well bore fluids.**
- **ALWAYS** cut FIRELINE 17/80 HNS LS detonating cord with a razor blade.
- **ALWAYS** utilize an “end-priming” initiator for use on HNS cords. “Side-priming” not recommended.
- **NEVER** attempt to cut FIRELINE 17/80 HNS LS detonating cord with a blow from a sharp or blunt object, such as an axe, pipe, wrench or rock.
- **NEVER** saw 17/80 HNS 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.

NOTE: This product can be used at the temperatures and pressures detailed on page 1 and is well suited for use in exposed systems / conditions. FIRELINE 17/80 HNS LS has a similar flexibility of nylon jacketed FIRELINE required by some “High Shot Density” systems.

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	4.5	9.9	2.59	5.71	1	152	500
Airpack Box	17.9	39.5	4.5	9.9	2.59	5.71	1	152	500

- Weights represent nominal values.
- All Weights are approximate.

* ±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 available for high profile applications requiring an extra level of assurance Product Code: A585011 (1.1D) & A585016 (1.4D)

CE 1395

1395-013/2017

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

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

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