

TECHNICAL DATA SHEET



FIRELINE® 17/80 RDX

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	7000 m/s (24,600 ft/s) nominal 6800 m/s (22,960 ft/s) minimum
Shrinkage	6% 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	A580010
Cord Components	RDX explosive core (dyed pink) Fabric braid (white) Nylon jacket (black)

- **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."

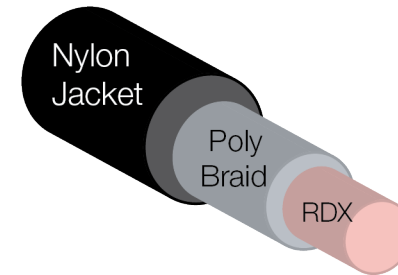
Hazardous Shipping Description

Cord, Detonating, 1.1D, UN 0065 EX 1992020035

Alternative packaging: FIREPAK® 1.4D air cargo shipping containers

Product Code A580017

Cord, Detonating, 1.4D UN 0289 EX 2007060067

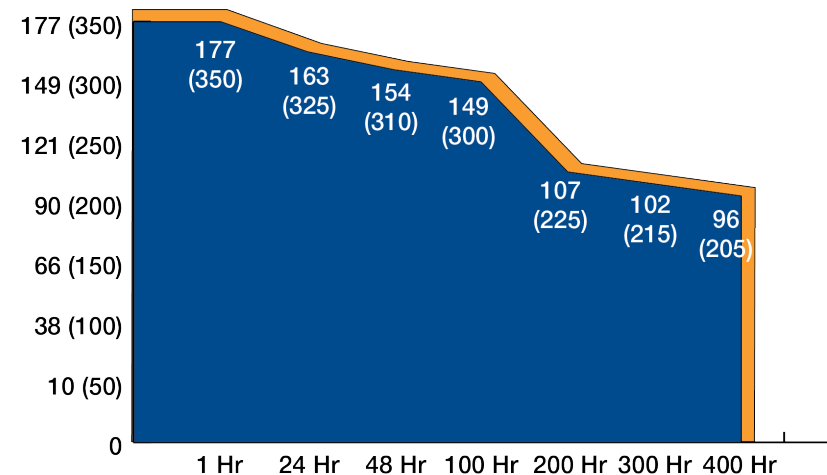


PRODUCT DESCRIPTION

FIRELINE 17/80 RDX is economical and used primarily in wireline conveyed perforator carriers where RDX range function capability (as detailed in the graph below) is required. When this product is exposed to temperature (> 190°F) for time (> 1 hour), "coreload pull-back/braid shrinkage" can occur (i.e., the inner braid may shrink and pull the explosive coreload back inside the jacket, affecting explosive component interfaces).

Temperature Range

The temperatures listed are maximum values. **DO NOT EXCEED.**



Product Disclaimer: Please see reverse side.

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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 RDX 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 or in TCP (tubing conveyed perforating) systems.**
- **ALWAYS** cut FIRELINE 17/80 RDX detonating cord with a sharp knife.
- **NEVER** attempt to cut FIRELINE 17/80 RDX detonating cord with a blow from a sharp or blunt object, such as an axe, pipe wrench, or rock.
- **NEVER** saw FIRELINE 17/80 RDX 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
Airpack Box	18.2	39.8	4.9	10.7	2.6	5.7	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 also available for high profile applications requiring an extra level of assurance. Product Code: A580011.

CE 1395

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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