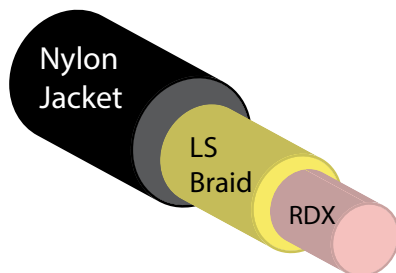


FireLine®

8/40 RDX LS

Oil Field Detonating Cord

Technical Information

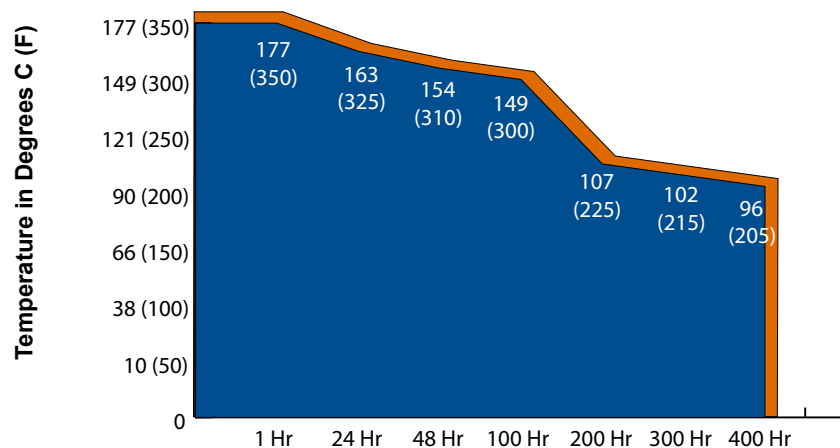


Product Description

FIRELINE 8/40 RDX LS is manufactured in the standard round configuration (small dimensional FIRELINE) 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”). Recommended for use in carrier-based systems operated within normal RDX operating ranges (see graph below).

Temperature Range

The temperatures listed are maximum values. DO NOT EXCEED.



Properties

SDS
#1121

Explosive Core Load	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 (20,992 ft/s) minimum
Shrinkage	1% maximum @ 163°C (325°F) in 24 hrs
Jacket Thickness	0.20 mm (0.008 in) nominal
Dimensions	4.34 mm (0.171 in) nominal ±0.254 mm (0.010 in)
Lap Joint Sensitive	Yes
Product Code	A539010 = One (1) 500 ft spool per case A539030 = Two (2) 1000 ft spools per case
Cord Components	RDX explosive core (dyed pink) Shrink resistant braid (yellow/gold) 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 A539015

Cord, Detonating, 1.4D UN 0289 EX 1995050048



FireLine®

8/40 RDX 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 five (5) years from date of manufacture.
- FIRELINE 8/40 RDX 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 8/40 RDX LS detonating cord with a sharp knife.
- **NEVER** attempt to cut FIRELINE detonating cord with a blow from a sharp or blunt object, such as an axe, pipe wrench, or rock.
- **NEVER** saw FIRELINE 8/40 RDX 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	7.3	3.1	6.8	1.3	2.9	1	152	500
Fiberboard box	11.9	26.3	10.5	23.2	5.2	11.4	2	305	1,000
Airpack box	16.3	35.9	3.1	6.8	1.3	2.9	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).

CE0519 ENB/C/024/06

Case Dimensions

Fiberboard: 500 ft / case 26 x 26 x 14 cm / 10¼ x 10¼ x 5½ in
 2,000 ft / case 39 x 28 x 28 cm / 15½ x 11 x 11 in
 Airpack: 74.3 x 44.1 x 68.27 cm / 29.25 x 17.375 x 26.875 in

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