

TECHNICAL DATA SHEET



PRIMACORD®

Detonating Cord

Properties

SDS
#1126

See Page 2 for PRIMACORD Detonating Cord properties

Hazardous Shipping Description

- Cord, Detonating, 1.1D, UN 0065, II EX 1992020035



PRODUCT DESCRIPTION

PRIMACORD detonating cords are flexible linear explosives with a core of PETN explosive encased in a textile outer jacket. PRIMACORD detonating cords are designed for use as trunklines and/or downlines in various mining, quarrying and construction applications.

APPLICATION RECOMMENDATIONS

- **ALWAYS** cut detonating cord with a sharp, non-sparking knife.
- **NEVER** attempt to cut detonating cords by abrasion or with a blow from a sharp or blunt object.
- **ALWAYS** use square knots to extend/join detonating cords that will propagate self-to-self. When connecting downlines to trunklines, always use a clove hitch knot and keep incoming and outgoing cords at right angles to avoid possibility of cut-offs.
- **NEVER** join PRIMACORD 1, 2 and 3 together with knots because it will not propagate self-to-self.
- **ALWAYS** use a detonating cord product, such as PRIMACORD 4Y or 4R or detonating cord with a greater explosive coreload as a trunkline to initiate PRIMACORD 1, 2 or 3.
- **ALWAYS** use a double wrap clove hitch knot to connect PRIMACORD 1, 2 and 3 detonating cord to the trunkline cord.
- **NEVER** allow trunklines and/or downlines to cross.
- Minimum recommended initiating detonator is a No. 8 strength.
- Minimum recommended cord initiator is a 3.6 g/m (18 gr/ft) detonating cord, such as PRIMACORD 4Y or 4R, or another detonating cord with an equal or greater explosive coreload.

TRANSPORTATION, STORAGE AND HANDLING

- PRIMACORD must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.
- For maximum shelf life (5 years), PRIMACORD must be stored in a cool, dry, well ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old. For recommended good practices in transporting, storing, handling and using this product, see the booklet "Prevention of Accidents in the Use of Explosive Materials" packed inside each case and the Safety Library publications of the Institute of Makers of Explosives.
- CE 0589

Product Disclaimer: Please see reverse side.

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Properties Cont.

Packaging

Part Number	Product	PETN Coreload nominal*		Outside Diameter*		Tensile Strength*		Color / Counter	Weight / Case*		Spools / case	Length / Spool*		Net Explosives Content* (NEC) / 1000 ft		Velocity of Detonation minimum m / sec
		g/m	gr/ft	mm	in	kg	lbs		kg	lbs		m	ft	kg	lbs	
A308033	PRIMACORD 1	1.5	7.5	3.18	0.13	68	150	Yellow / 5 Black	9	20	2	610	2000	0.51	1.07	6,300
A301042	PRIMACORD 2.5	2.4	12.5	2.8	0.11	27	60	Red / 4 Black	12	25	2	610	2000	0.81	1.79	6,300
A308033	PRIMACORD 3	3.2	15	3.66	0.14	113	250	Red / 5 Black	13	29	2	610	2000	1.02	2.14	6,700
A310030	PRIMACORD 4Y	3.6	18	3.61	0.14	68	150	Yellow / 2 Black	6	14	2	305	1000	1.22	2.57	6,700
A712033	PRIMACORD 4R*	3.6	18	3.61	0.14	68	150	Red	4	8	2	610	2000	1.22	2.57	6,700
A320035	PRIMACORD 5	5.3	25	3.99	0.16	68	150	Red / 1 Black	11	25	2	458	1500	1.70	3.57	6,700
A355030	PRIMACORD 8	8.5	40	4.47	0.18	90	200	Red / 2 Black	11	24	2	305	1000	2.72	5.72	6,700
A349030	PRIMACORD 10	10.8	50	4.70	0.19	90	200	Yellow / 2 Black	12	27	2	305	1000	3.40	7.15	6,700
A356030	PRIMACORD 10 SEISMIC	10.8	50	4.70	0.19	90	200	Yellow / White	12	27	2	305	1000	3.40	7.15	6,700

* All weights and dimensions are approximate

Notes: 1. Higher coreload detonating cords are available.

2. Alternative packaging is available for some products.

Please contact your Dyno Nobel representative for details.

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

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