



## Detonating Cord



### Product Description

PRIMACORD detonating cords are flexible linear explosives with a core of PETN explosive encased in a textile outer jacket. PRIMACORD detonating cord detonates along its entire length at a velocity of approximately 7,000 m/s (23,000 ft/s). 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.

## Properties

MSDS  
#1126

See Page 2 for PRIMACORD Detonating Cord properties

- **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.

### Hazardous Shipping Description

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





### Packaging

Product	PETN Coreload		Outside Diameter		Tensile Strength		Color / Counter	Weight / Case		Spools / case	Length / Spool		Net Explosives Content (NEC) / 1000 ft	
	g/m	gr/ft	mm	in	kg	lbs		kg	lbs		m	ft	kg	lbs
PRIMACORD 1	1.5	7.5	3.18	0.125	68	150	Yellow / 5 Black	9	20	2	610	2000	0.5100	1.0720
PRIMACORD 2	2.1	10	2.54	0.100	27	60	Orange / 4 White	11	24	2	610	2000	0.6800	1.4290
PRIMACORD 2.5	2.4	12.5	2.8	0.110	27	60	Orange / 4 Black	12	25	2	610	2000	0.8117	1.7857
PRIMACORD 3	3.2	15	3.66	0.144	113	250	Red / 1 Black & 1 White	13	29	2	610	2000	1.0200	2.1440
PRIMACORD 4Y	3.6	18	3.61	0.142	68	150	Yellow / 1 Black	6	14	2	305	1000	1.2200	2.5720
								13	29	2	610	2000		
PRIMACORD 4R	3.6	18	3.61	0.142	68	150	Red	13	29	2	610	2000	1.2200	2.5720
								6	14	1*	305	1000		
PRIMACORD 5	5.3	25	3.99	0.157	68	150	Red / 1 Black	11	25	2	458	1500	1.7000	3.5730
PRIMACORD 8	8.5	40	4.47	0.176	90	200	Red / 2 Black	11	24	2	305	1000	2.7200	5.7160
PRIMACORD 10	10.8	50	4.70	0.185	90	200	Yellow / 2 Black	12	27	2	305	1000	3.4000	7.1450

\* Pull-out Box

**NOTE:** Higher coreload detonating cords are available. Please contact your Dyno Nobel representative for details.

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