

TECHNICAL DATA SHEET



PRIMALINE®

Detonating Cord

Properties

SDS
#1126

See Page 2 for PRIMALINE Detonating Cord properties

Hazardous Shipping Description

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



PRODUCT DESCRIPTION

PRIMALINE detonating cords are flexible linear explosives with a core of PETN explosive encased in a plastic outer jacket. PRIMALINE 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 PRIMALINE 4Y or 4R or detonating cord with a greater explosive coreload as a trunkline to initiate PRIMALINE 1, 2 or 3.
- **ALWAYS** use a double wrap clove hitch knot to connect PRIMALINE 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 PRIMALINE 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), PRIMALINE 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

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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
		g/m	gr/ft	mm	in	kg	lbs		kg	lbs		m	ft	kg	lbs	m / sec
AF19045	PRIMALINE 4D	3.6	18	3.23	0.13	68	150	Pink	12	27	4	153	500	1.22	2.57	6,700
A718033	PRIMALINE4HS	3.6	18	3.05	0.12	45	100	Clear / Black Stripe	9	20	2	610	2000	1.22	2.57	6,700
A322030	PRIMALINE 5	5.3	25	3.58	0.14	50	110	Orange / Wax Coating	6	14	2	305	1000	1.70	3.57	6,700
AF25045	PRIMALINE 5D	5.3	25	3.23	0.13	45	100	Orange	11	24	4	153	500	1.70	3.57	6,700
A740030	PRIMALINE 8HS	8.5	40	3.99	0.16	45	100	Clear / Black Stripe	8	18	2	305	1000	2.72	5.72	6,700
A742030	PRIMALINE 8HT	8.5	40	3.23	0.13	45	100	Yellow	8	18	2	305	1000	2.72	5.72	6,700
A340000MA	PRIMALINE 10A	10.6	50	4.70	0.19	90	200	Red	13	28	2	350	1150	3.40	7.15	6,700
A382004	PRIMALINE 21	21.3	100	5.84	0.23	90	200	Clear	16	35	2	244	800	6.80	14.29	6,700
A391052	PRIMALINE 32	31.9	150	7.11	0.28	90	200	Clear	7	16	2	153	500	10.20	21.44	6,300
A395022	PRIMALINE 42	42.5	200	7.62	0.30	90	200	Clear	21	47	1	365	1200	13.30	28.58	6,300
A398010	PRIMALINE 85	85.0	400	10.03	0.40	136	300	Light Green	19	41	1	153	500	27.20	57.16	6,300

* All weights and dimensions are approximate

Notes: 1. Higher coreload detonating cords may be 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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