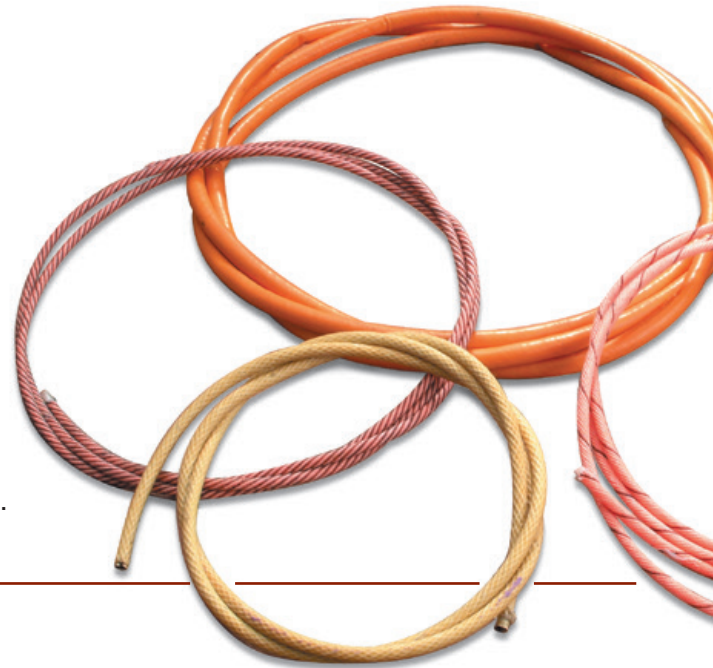


PRIMACORD® Detonating Cord

PRODUCT TECHNICAL DATA SHEET

DESCRIPTION:

PRIMACORD® Detonating Cord is an exploding cord consisting of a continuous explosive core bound by textile yarns and finished with plastic and wax as waterproofing agents. PRIMACORD® manufacturing begins with the production of PETN, RDX or other high explosives. Textile yarns, polymers and waxes are used in a controlled production process to complete the manufacture. Ensign-Bickford Aerospace & Defense Company (EBA&D) has the capability to design, develop, produce, package and test a wide range of detonating cord products as specified by customer requirements. EBA&D is the leading supplier to the United States Military and International Forces.



APPLICATION:

PRIMACORD® Detonating Cord is a universal high-explosive tool for a wide variety of mission profiles and applications:

- Signal transmission
- Demolitions
- Explosive disposal
- Breaching charges
- Bomb disruption
- Minefield clearance
- Obstacle breaching
- Multi-point initiation
- Plane wave generators
- Booster charges
- Ring manes
- Explosive testing
- Explosive characterization

PROPERTIES:

- VOD: >7,000 m/s (nominal)
- Bullet-impact insensitive
- Coreloads
- Waterproofing



PRIMACORD® Detonating Cord

SPECIFICATIONS:

PRODUCT	CORELOAD		TENSILE STRENGTH (NOMINAL)		SPOOLS/ CASE	LENGTH/ SPOOL		OUTSIDE DIAMETER (NOMINAL)		WEIGHT/ CASE	
	gr/ft	gm/m	lb	kg		ft	m	in	mm	lb	kg
PRIMACORD® 1	7.5	1.5	150	68.2	2	2000	610	0.125	3.18	20	9
PRIMACORD® 2.5	12.5	2.4	60	27.3	2	2000	610	0.110	2.8	25	12
PRIMACORD® 3	15	3.2	250	113.6	2	2000	610	0.144	3.66	29	13
PRIMACORD® 4Y	18	3.6	150	68.2	2	1000	305	0.142	3.61	14	5
PRIMACORD® 5	25	5.3	150	68.2	2	1500	458	0.157	3.99	25	11
PRIMACORD® 10	50	10.6	200	91	2	1000	305	0.185	4.70	27	12
PRIMALINE® 21	100	21.3	200	90	2	800	244	0.23	5.84	35	16
PRIMALINE® 42	200	42.5	200	90	1	1200	365	0.30	7.62	47	21
PRIMALINE® 85	400	85	300	136	1	500	152.5	0.395	10.03	41	19
Type 1 E	54	11.5	190	86.4	3	1000	305	0.200	5.1	84	38
Type 1 G	90	18.6	190	86.4	1	1000	305	0.260	6.6	31	14

OPERATION:

When PRIMACORD® Detonating Cord is initiated with a blasting cap or other stimuli, it detonates along its entire length at a velocity of approximately 23,000 feet (7,000 meters) per second. PRIMACORD® is used to create explosive effects and to build reliable explosive charges.

PRIMACORD® can be initiated with military or commercial blasting caps or with equivalent strength donor lines of detonating cords and high-explosives. PRIMACORD® is used in conjunction with other high explosive materials to form charges, including linear charges, capable of near instantaneous results.

CONSTRUCTION:

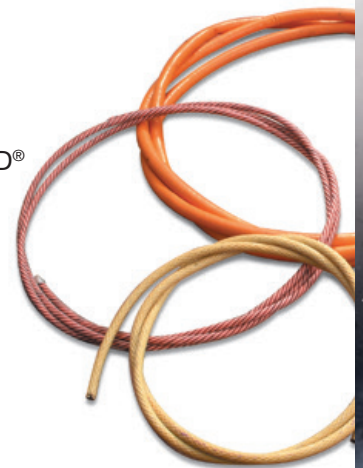
EBA&D manufactures military cords to MIL-C-17124E and MIL-P-387C. EBA&D internal specifications apply for commercial products.

Typical Explosives - PETN, PBXN-8, RDX and CH-6

Typical Textile Materials - Polyester, Rayon, Kevlar®, Nylon, Polypropylene

Over-extrusion materials are Polyolefin, Polyethylene

Packaging: Per Customer Specification



Kevlar® is a trademark of E.I. du Pont de Nemours and Company
PRIMALINE® is a registered trademark of Dyno Nobel Inc., PRIMACORD® is a registered trademark of Dyno Nobel Inc.

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