Detonating Cord

Technical Information

Description

PRIMACORD® and PRIMALINE® detonating cords are flexible linear explosives with a core of PETN explosive encased in an outer jacket. PRIMACORD detonating cords are encased in a textile jacket, PRIMALINE detonating cords are encased in a plastic jacket.

Application

PRIMACORD 5 Detonating Cord has been designed for use as surface and downhole initiating lines. PRIMALINE 10 is used for side initiation of explosives and may be used in combination with PRIMACORD 5 Detonating Cord.

Features & Benefits

- Used in combination with NONEL® MS Connectors, Detonating Cord provides a safe, quick and reliable method of initiation.
- Detonating Cord exhibits excellent knot tying capabilities and a high tensile strength.
- Detonating Cord has excellent water and abrasion resistance .

Packaging

Spools per case: 2

Properties

Explosives Class: 1.1D **U.N. No: 0065**

Explosive Type	PETN
Velocity of Detonation (m/sec) (min)	6500

	PRIMACORD 5	PRIMALINE 10
Colour/counter	Green/2 black	Blue
Nominal Core Load (g/m)	5.0	10.0
Nominal Diameter (mm)	4.2	4.7
Minimum Strength (kg)	68	68
Length per spool (M)	500	350

DYNO NOBEL
Asia Pacific Limited
Level 20, 111 Pacific Hwy,
North Sydney, NSW 2060
Australia

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Recommendations

Use - The initiating detonator should be firmly attached along the detonating cord with adhesive tape in the direction of detonation. Care should be taken to attach the detonator approximately 100mm from an open end to avoid possible oil or water contaminated ends. Only approved knives or approved cutters should be used to cut detonating cord. All connections should be made using a double wrap clove hitch and made at right angles. Trunklines can be extended by tying separate lengths together using a reef knot. The join should be located approximately 150mm from the cut ends and the tails taped back along the line. Joins should not be located below the collar of the hole.
It should be noted that certain explosive products are not compatible with all detonating cords. Please refer to the relevant product technical data sheet or contact your local Dyno Nobel representative for advice on product compatibility.

Initiation Requirement - Dyno Nobel detonating cord is reliably initiated using a No. 8 strength detonator. It is not recommended to initiate PRIMALINE 10 Detonating Cord with any Detonating Cord which has a core load less than 5 g/m.

Water Resistance - Dyno Nobel detonating cord exhibits excellent resistance to water.

Temperature Range - Dyno Nobel detonating cord is recommended for use in up to 70°C temperatures.

Shelf Life - Dyno Nobel detonating cord has a recommended shelf life of five (5) years, when transported and stored under conditions.

Sleep Time - The in-hole sleep time of Dyno Nobel detonating cord may be limited to the recommended sleep time of the explosive it is priming.

Safe handling, transportation & storage

First Aid - Detailed first aid information regarding this product is contained on the relevant Dyno Nobel Material Safety Data Sheet.

Safety - All explosives are classified as dangerous goods and can cause personal injury and damage to property if used incorrectly.

Transportation and Storage - All explosives must be handled, transported and stored in accordance with all relevant regulations. Stock should be rotated such that older product is used first.

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