

# 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 cord is encased in a textile jacket, PRIMALINE detonating cord is encased in a plastic jacket.

## Application

PRIMACORD detonating cord is designed for use as surface and downhole initiating lines. PRIMALINE detonating cord is used for side initiation of explosives and may be used in combination with PRIMACORD detonating cord.

## Features and Benefits

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

## Properties

|                        | Primacord 4      | Primacord 5   | Primaline 10 |
|------------------------|------------------|---------------|--------------|
| Nominal Coreload (g/m) | 3.6              | 5.3           | 10           |
| Nominal Diameter (mm)  | 3.6              | 3.99          | 4.7          |
| Tensile Strength (kg)  | 68               | 68            | 68           |
| Colour / Counter       | Yellow / 1 Black | Red / 2 black | Red          |
| Spools per case        | 2                | 2             | 2            |
| Length / Spool (m)     | 500              | 500           | 350          |

## Hazardous Shipping Description

Cord, Detonating, 1.1D UN 0065



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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 150 mm 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 ideal 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 and storage

**First Aid** - Detailed first aid information regarding this product is contained on the relevant Dyno Nobel 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.

**Product Disclaimer** The explosive products discussed in this document should only be handled by persons with the appropriate technical skills, training and licences. While Dyno Nobel has made every effort to ensure the information in this document is correct, every user is responsible for understanding the safe and correct use of the products. If you need specific technical advice or have any questions, you should contact your Dyno Nobel representative. This information is provided without any warranty, express or implied, regarding its correctness or accuracy and, to the maximum extent permitted by law, Dyno Nobel expressly disclaims any and all liability arising from the use of this document or the information contained herein. It is solely the responsibility of the user to make enquiries, obtain advice and determine the safe conditions for use of the products referred to herein and the user assumes liability for any loss, damage, expense or cost resulting from such use. © DYNO, GROUNDBREAKING PERFORMANCE, PRIMACORD, PRIMALINE, NONEL and the Loop device are registered trademarks of the Dyno Nobel / Incitec Pivot Group. ™ MS CONNECTORS is a trademark of the Dyno Nobel / Incitec Pivot Group. © Dyno Nobel Asia Pacific Pty Limited 2018. Reproduction without permission strictly prohibited.