

RIOCORD

Detonating Cord

RIOCORD is a flexible detonating cord with a core made of an explosive material (PETN). RIOCORD detonates at an approximate speed of 7,500 m/s.

RIOCORD, when used correctly, can initiate packaged explosives and RIOBOOSTER. RIOCORD can also be used as a trunkline to initiate non electric detonators or with RIODELAY micro delay relays.

RIOCORD is manufactured in three series; Permissible, Reinforced and Standard.

Permissible RIOCORD is manufactured with 6 g/m and a coating that includes a delay agent in its composition, making it suitable for use in underground coal mining.

RIOCORD reinforced cords are used where high tensile strength and abrasion resistance are required.

RIOCORD F+ and RF+ have brightly coloured wax finish that helps with holding knots in all conditions.

RIOCORD Standard is used for a very wide range of applications between 6g/m and 100 g/m.



1. Reinforced cords with higher tensile strength and abrasion resistance



2. Colour coded for fast identification of cord

ADVANTAGES

- Safe, reliable & user friendly
- Excellent resistance to oil and water penetration
- Colour coded for fast & easy identification
- Good flexibility & secure knot holding

The entire RIOCORD range is oil and water resistant and flexible. RIOCORD must be initiated with a #8 strength detonator or another line of RIOCORD.

It is essential that the detonating cord be checked to ensure that it is dry at the initiation location.

XX Series (Polyethylene RIOCORD) is for use as a component in the manufacturing of explosives only.

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Standard RIOCORD, Class 1.1D (normal values)

Type	PETN Coreload (g/m)	Colour	Diameter (mm)	Min. Tensile Resistance (kg)	Packaging rolls x length (m)	Net Weight (kg)	Gross Weight (kg)	Applications
PV 5	5	Yellow	3.6	60	4x200	9.8	11.4	Trunk Line for non electric systems
PV 6	6	Fuchsia	3.6	60	2x400 or 4x200	10.6	12.0/12.2	Trunk Line for non electric systems
PV 10	10	Red	4.0	75	2x250 or 4x125	10.0	11.4/11.6	Throughout the borehole to initiate explosives. Trunk line cable
PV 12	12	Blue	4.4	75	2x250 or 4x125	11.0	12.4/12.6	Throughout the borehole to initiate explosives. Trunk line cable

Reinforced RIOCORD, Class 1.1D (normal values)

RF 5	5	Pink with two Red Lines	3.8	68	2x400	8.8	10.2	Trunk line for non electric systems Excellent mechanical characteristics
RF 6	6	Yellow with two Red Lines	3.8	90	2x350	9.6	11.0	Trunk line for non electric systems Excellent mechanical characteristics
RF 10	10	White with two Green Lines	5.0	100	2x250	10.6	12.0	Throughout the borehole to initiate explosives. Excellent mechanical characteristics
F+ 5.0	5	Pink with one Black Line	3.8	68	2x400	8.8	10.2	Trunk line for non electric systems. Increased Flexibility

Polyethylene RIOCORD, Class 1.1D (normal values)

XX 10	10	Green	4.9	75	2x250	12.6	13.4	Extra thickness PVC jacket
XX 10	10	Green	4.9	75	1x1000	25	30.5	Extra thickness PVC jacket on a timber reel



GENERAL INFORMATION

RIOCORD has a recommended shelf life of four (4) years from date of manufacture.

RIOCORD can be used in temperatures between -20 C to 70 C.

RIOCORD must be stored in dry and well ventilated conditions in accordance with local regulations.

Read this Technical Data Sheet and the Safety Data Sheet carefully before using RIOCORD series products.

RIOCORD must not be used in flammable environments such as methane and coal dust.

MAXAM strongly recommends to NOT use RIOCORD products with detonators and or initiation systems supplied by other manufacturers in the same blast and declines all responsibility in these cases.

Transport Classification

Transport Classification	Standard Packaging
Class	1.1D
UN Number	UN 0065

LEGAL WARNING AND EXCLUSION OF RESPONSIBILITY

The information included in this document is subject to variations depending on the usage of the products as well as external factors such as temperature, humidity and pressure. The products described in this document are potentially dangerous and must be used and handled by competent staff only, following the applicable regulations. This document does not constitute contractual content and cannot be considered a contract. According to this document, MAXAM does not assume any obligation, responsibility or guarantee with third parties. The information contained in this sheet is valid as at 3rd March 2017. To ensure the user has all the latest information about the use and handling of this product please visit www.maxamaustralia.net and or check with your local MAXAM representative.

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