

# 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, making for a wide variety of sequencing possibilities.

RIOCORD is manufactured in three series, permissible, reinforced and standard.

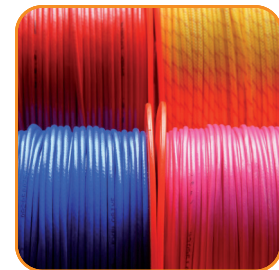
Permissible RIOCORD is manufactured with 6 g/m and a coating that includes a delay agent in its composition, making it suitable for use in underground coal mining.

RIOCORD reinforced cords are used in extreme conditions where special features such as extremely high tensile strength and abrasion resistance are required.

RIOCORD 80 and RIOCORD 100 are used in shape blasting (presplitting and contour blasting).



1. Reinforced cords with higher tensile strength and abrasion resistance.



2. Colour coded for fast identification of cord.

## Advantages

- Safe, reliable and user friendly.
- Excellent resistance to oil and water penetration.
- Colour coded for fast, easy identification.
- Good flexibility and 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. Recommended connection is explained on the instruction sheet and should always be followed.

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

### Standard RIOCORD, Class 1.1D (nominal 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 6   | 6                   | Fuchsia | 3,6           | 60                           | 2x400 or 4x200               | 10,6/10,6       | 12,0/12,2         | Trunk line for non electric systems.                                      |
| PV 10  | 10                  | Red     | 4,0           | 75                           | 2x250 or 4x125               | 10,0/10,0       | 11,4/11,6         | Throughout the borehole to initiate non electric system. Trunk line cable |
| PV 12  | 12                  | Blue    | 4,4           | 75                           | 2x250 or 4x125               | 11,0/11,0       | 12,4/12,6         | Throughout the borehole to initiate non electric system. Trunk line cable |
| PV 20  | 20                  | White   | 5,7           | 100                          | 2x200 or 4x100               | 13,6/13,6       | 15,0/15,2         | Throughout the borehole to initiate non electric system. Trunk line cable |
| PV 40  | 40                  | Green   | 7,8           | 100                          | 2x100                        | 12,6            | 14,0              | Throughout the borehole to initiate non electric system. Trunk line cable |
| PV 80  | 80                  | Yellow  | 10,3          | 70                           | 2x50                         | 12,5            | 14,0              | Contour blasting  |
| PV 100 | 100                 | Red     | 11,2          | 70                           | 2x50                         | 12,6            | 14,0              | Contour blasting  |

### Reinforced RIOCORD, Class 1.1D (nominal values)

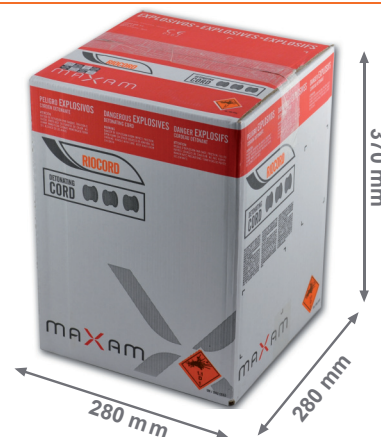
|       |    |                            |     |     |                |         |           |  |
|-------|----|----------------------------|-----|-----|----------------|---------|-----------|--|
| RF 3  | 3  | Red with two Blue lines    | 3,6 | 75  | 2x400 or 4x200 | 9,6/9,6 | 11,0/11,2 | Inside boreholes to initiate high-power explosives   |
| RF 6  | 6  | Yellow with two Red lines  | 3,8 | 90  | 2x350          | 9,6     | 11,0      | Inside borehole and trunk line cable. Excellent mechanical characteristics                           |
| RF 10 | 10 | White with two Green lines | 5,0 | 100 | 2x250          | 10,6    | 12,0      | Throughout the borehole to initiate non electric system. Trunk line cable                            |
| RF 15 | 15 | Green with two Black lines | 5,7 | 100 | 2x200          | 12,6    | 14,0      | Throughout the borehole to initiate non electric system. Trunk line cable<br>Underwater application. |

### Permissible RIOCORD, Class 1.1D (nominal values)

|    |   |        |     |    |       |      |    |  |
|----|---|--------|-----|----|-------|------|----|--|
| PS | 6 | Yellow | 7,5 | 40 | 2x100 | 18,6 | 20 | For use in potentially explosive atmospheres |
|----|---|--------|-----|----|-------|------|----|--|

Contact your local MAXAM representative for further information.

| Transport Classification | Standard Packaging |
|--------------------------|--------------------|
| Class                    | 1.1D               |
| UN Number                | UN 0065            |



#### SAFETY WARNING

Read the Instructions Safety Sheet and the Material Safety Data Sheet provided carefully before using RIOCORD. With the exception of permissible RIOCORD, RIOCORD must not be used in flammable environments such as methane or coal dust. MAXAM strongly recommends not to use RIOCORD products with detonators and/or initiation systems supplied by other manufacturers in the same blast and declines all liability in these cases.

RIOCORD must be stored at moderate temperatures in a dry and well ventilated place.

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