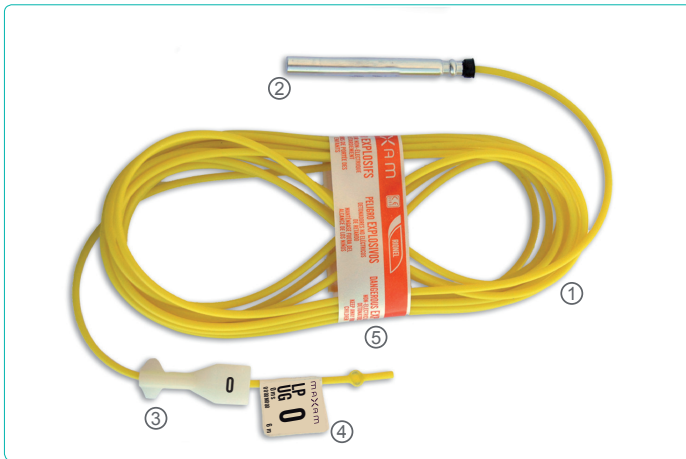
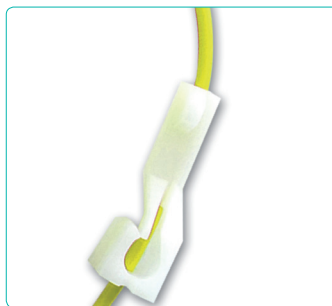


▶ RIONEL MAXAM



1. Shock tube with 3-layers coiled in a "figure eighty" configuration



5. Printed and colour coded "J-Hook"

ADVANTAGES

- Safe, reliable and efficient.
- High tensile strength Shock tube to resist elongation, avoiding damage under normal operating conditions.
- Highly visible J-hook colours and labels for identification
- Safe against extraneous electric currents

DESCRIPTION

The RIONEL LP-UG series has been designed for use in underground mining and tunneling operations in nonhazardous atmospheric environments where longer delay timing is required.

The delays available in the RIONEL LP-UG series are longer than those available in the RIONEL MS series. RIONEL LP-UG are highly accurate delays that reduce risk of timing overlap.

The RIONEL LP-UG detonator can prime the full range of MAXAM's detonator-sensitive explosive products including RIOBOOSTERS and RIOGEL.

All RIONEL LP-UG include a J-Hook connector to enable a secure connection to RIOCORD detonating cord (5g to 12g only). The delay timing of the detonator is identifiable by both the J-Hook colour and the printed markings.

The RIONEL LP-UG series offers high reliability and precision, features that are extremely important in underground blasting.

FEATURES

1. Three layered shock tube coiled in a "figure 80" configuration which eases deployment and avoids tangles
2. #8 strength Detonator fitted with a double crimp
3. The fastening band is easy to break manually; a feature that enables fast deployment and hole loading
4. A water-resistant label displays the Delay Period, Timing, Length and Lot Number
5. A colour coded printed J-hook enables a secure connection to RIOCORD (5g to 12g only)

SAFETY

RIONEL LP-UG detonators must be stored in dry and well ventilated conditions in accordance with local regulations.

RIONEL LP-UG are packed into sealed "barrier bags" contained inside cardboard boxes.

RIONEL LP-UG detonators can be used in temperatures between -20 C to 70 C.

RIONEL LP-UG detonators must not be used in flammable environments such as methane and coal dust.

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

RIONEL LP-UG

Delay Times (nominal values)

| Delay | Time (ms) | J-Hook Colour |
|-------|-----------|---------------|
| 0 | 0 | White |
| 1 | 400 | Red |
| 2 | 800 | Dark Blue |
| 3 | 1,200 | Brown |
| 4 | 1,400 | Orange |
| 5 | 1,600 | Teal |
| 6 | 1,800 | Light Orange |
| 7 | 2,000 | Light Green |
| 8 | 2,500 | Pink |
| 9 | 3,000 | Black |
| 10 | 3,500 | Purple |
| 11 | 4,000 | Light Blue |
| 12 | 4,500 | Dark Green |
| 13 | 5,000 | Magenta |
| 14 | 5,500 | Yellow |
| 15 | 6,000 | Dark Red |
| 16 | 7,000 | Bright Yellow |
| 17 | 8,000 | Dark Blue |
| 18 | 9,000 | Green |

Standard Packaging, Class 1.1B (nominal values)

| Length (m) | Units per box | Gross Weight (kg) | Net Weight (kg) | Tube Colour |
|------------|---------------|-------------------|-----------------|-------------|
| 4.0 | 100 | 4.2 | 3.1 | Yellow |
| 4.8* | 100 | 4.4 | 3.5 | Yellow |
| 6.0* | 100 | 5.5 | 4.6 | Yellow |
| 7.0 | 100 | 5.9 | 4.8 | Yellow |
| 12* | 70 | 8.6 | 7.7 | Yellow |
| 15* | 60 | 6.9 | 6.0 | Yellow |
| 18* | 60 | 8.0 | 7.1 | Yellow |
| 24* | 40 | 6.9 | 6.0 | Yellow |
| 30* | 40 | 8.3 | 7.4 | Yellow |
| 36 | 40 | 9.5 | 8.4 | Yellow |

*Standard Length. Fastest available delivery time. Other lengths upon request. Unit packaging is in Coils.



Transport Classification

| | |
|-----------|---------|
| Class | 1.1B |
| UN Number | UN 0360 |

GENERAL INFORMATION

RIONEL LP-UG detonators have a recommended shelf life of three (3) years from date of manufacture.

RIONEL LP-UG detonators must not be used for the initiation of detonating cord.

RIONEL LP-UG detonators can be used in temperatures between -20 C to 70 C.

RIONEL LP-UG detonators 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 RIONEL LP-UG series products.

RIONEL LP-UG detonators must not be used in flammable environments such as methane and coal dust.

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

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 6th August 2018. 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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