

MAXNEL™ TRUNKLINE™

Non-Electric Detonators

TECHNICAL DATA

Product Description

MAXNEL™ TRUNKLINE™ shock tube detonators consist of a low-energy detonator, a C-connector and a length of shock of varying length. The low-energy detonator is characterised by the moderate initiating power, with no damage to the blasting network after initiation. The C-connectors make building the network easier, and initiation more reliable.

Application

MAXNEL™ TRUNKLINE™ is used in conjunction with MAXNEL™ MS and MAXNEL™ LP to form a flexible blasting network, providing a precise surface time delay. MAXNEL Trunkline is suitable for use in blasting operations of surface, underground mining, quarry and construction projects where there is no explosion hazard from methane.

Properties

| | |
|----------------------------|---|
| Initiating Strength | No. 3 detonator |
| Temperature Range | -40°C - +60°C |
| Water Resistance | Immersed at 20m for 72 hours with no loss of functional reliability |
| Oil Resistance | Immersed in #0 diesel oil at 80°C and 0.3Mpa pressure for 72 hours with no loss of functional reliability |
| Tensile Strength | Tested at 20N for one minute with no loss of physical connection |
| Connector Block | Holds a maximum of six (6) shock tubes |

Storage and Handling

During handling and transportation, the product should be handled with great care, and should never be dropped, knocked or subjected to any impact. It should always be stored away from sources of heat in a dry, cool, well ventilated magazine.

The shelf life of this product is two (2) years when stored correctly.

| Proper Shipping Name | UN No. | Class |
|---|--------|-------|
| DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting | 0360 | 1.1B |



Delay No. and Nominal Timing

| Block Colour | Time (ms) | Block Colour | Time (ms) |
|--------------|-----------|--------------|-----------|
| Green | 9 | White | 42 |
| Yellow | 17 | Blue | 67 |
| Red | 25 | Orange | 109 |
| Purple | 35 | Lime Green | 176 |

Packaging

| Shock Tube Length (m) | Qty/Case |
|-----------------------|--------------------|
| 3.6 | 80 |
| 4.8 | 80 |
| 6.0 | 75 |
| 7.2 | 70 |
| 9.0 | 60 |
| 12.0 | 40 |
| Case Dimensions | 380 x 280 x 225 mm |

MAXNEL™ TRUNKLINE™ non-electric detonators are packed into sealed plastic bags and fireboard outer cartons.

Safety

The C-connector block is designed to initiate from one (1) to six (6) correctly connected shock tubes, in two (2) directions.

The shock tubes must be correctly inserted into the C-connector block. Each tube is to be inserted one at a time to a maximum of six (6) shock tubes.

First Aid - Refer to the Safety Data Sheet for MAXNEL™ TRUNKLINE™ non-electric detonators.

Safety – All explosives are classified as dangerous goods and must be handled and stored with care. Misuse may result in personal injury and/or damage to property.



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