**M700 Safety Fuse**

**PRODUCT TECHNICAL DATA SHEET**

**DESCRIPTION:**

M700 Safety Fuse is a heritage linear textile and pyrotechnic cord used to create a time delay. Due to confinement of a center core of black powder, time fuse burns at a nominal rate of 40 seconds per foot (130 seconds per meter). The output of time fuse is a notable spit of flame and burning particles. This spit is what initiates the sensitive ignition powders found in fuse caps.

**APPLICATION:**

M700 Safety Fuse is a time-proven, reliable product used for a wide range of military and commercial applications:

- Delay fuse caps
- Demolitions
- Minefield clearance
- Obstacle breaching
- Range clearance
- Explosive ordnance disposal
- Explosive testing

**PROPERTIES:**

- Can be cut to length to achieve a desired time delay
- Allows the demolition engineer or blaster to retreat to a safe position
- The units are marked with indicators at 18 inch (457 mm) intervals (60 seconds) for ease of use.
- Compatible with M7 fuse detonators
- Will not light itself
M700 Safety Fuse

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>SAFETY FUSE LENGTH (NOMINAL)</th>
<th>PACKAGING</th>
<th>SAFETY FUSE BURN RATE (AT SEA LEVEL) (NOMINAL)</th>
<th>BURNING SPEED TOLERANCE (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ft</td>
<td>m</td>
<td>(10) 50 ft. rolls per can</td>
</tr>
<tr>
<td>M 700 (MILITARY)</td>
<td>50</td>
<td>15.2</td>
<td>8 cans in a crate</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M 700 (COMMERCIAL PACK)</td>
<td>3280</td>
<td>1000</td>
<td>(1) 3280 ft. roll per box</td>
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</tbody>
</table>

OPERATION:

The M700 Safety Fuse is delivered in rolls that can be cut to length for integration to fuse detonators. Upon crimping the detonator to the fuse, the initiation device is integrated to complete the delay fuse assembly.

CONSTRUCTION:

The M700 Safety Fuse is a linear product consisting of a black powder core held in place with cotton yarns and over-braided with countered jute yarns. The sub-assembly is jacketed with an asphalt mix and overextruded with plastic. The Military M700 Safety Fuse is qualified to MIL-DTL-45144 for use by United States Military and International Forces.