APPLICATION

Electronic detonator to initiate commercial explosives.

CONDITIONS FOR USAGE

Only to be operated by DAVEYTRONIC® digital blasting system. Not to be used in mines with hazards of dust particulate or fire damp explosion.

CONDITIONS FOR OPERATING

Temperature range : -20°C to +45°C / -4 to +113°F
Watertightness : 13 bars / 7 days
Dynamic shock resistance : 1050 bars (15000 PSI)

DETONATOR

Delay times : from 0 ms to 14000 ms
Accuracy : +/- 0.02%
Wire length : 6m, 10m, 15m, 20m, 25m, 30m, 35m, 40m, 60m, 80m.
Other wire lengths : please contact us

ELECTROSTATIC DISCHARGE RESISTANCE

Compliant to EN 13763-1 (class II): 30kV / 3500 pF

RADIO FREQUENCY RESISTANCE

Compliant to EN 13763-27
Immunity to electromagnetic radiation with field strength of 30 V/m for bandwidth of 80 to 1000 MHz and 1 to 2 GHz.
Immunity to conducted disturbance with 30V from 0.15 to 80 MHz

INITIATION SYSTEM

Identification number (FR) : EMF 07MA4001
Max number of detonators : 1500 / Blasting machine
Wireless max range 2.4 GHz : 2.4 km (1.5 miles)
Wireless max range 900 MHz : 5 km (3 miles)
WLAN & leaky feeder interface also available

DETONATOR CONSTRUCTION

Material : Aluminium alloy
Output : #8 cap strength
Base charge : PETN 800 mg
Initiating charge : Lead Azide 200 mg

LEAD WIRE

Material : steel
Diameter steel wire : 0.3 mm
Insulation diameter : 1.5 mm
Insulation : HDPE orange
Tensile strength : 320 N (72 lbs)
Abrasion resistance : compliant to EN13763-4 (class II)

CONNECTOR

Material : Polypropylene (PP)
Insulation : Silicone electrical insulating gel
Terminals : steel hardened and tined

To be used only with M35 bus wire
The indications and recommendations contained in this document are based on manufacturer’s research and tests to this date. The manufacturer cannot anticipate all of the possible applications for its products. Therefore, the products described hereby are sold under the only warranty to be in conformity with the specifications stated in this document and to be in compliance with the agreements granted by the French Ministry of Industry.

CONDITIONS FOR STORAGE & TRANSPORT
Temperature range: -40°C to +70°C / -40 to +158°F
Shelf life: 2 years, renewable

CE TYPE AND TRANSPORT CLASSIFICATION
CE type test number: 0080.EXP.98.0013 C3
Transport classification: 1.4S
UN-number: 0456

PACKAGING

<table>
<thead>
<tr>
<th>Wire Length</th>
<th>Quantity/case</th>
<th>Case size</th>
<th>Gross Weight</th>
<th>Net weight</th>
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<tr>
<td></td>
<td>Pieces</td>
<td>mm</td>
<td>kg</td>
<td>lbs</td>
</tr>
<tr>
<td>20 ft / 6 m</td>
<td>80</td>
<td>445 x 230 x 300</td>
<td>6.5</td>
<td>14.3</td>
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<td>445 x 230 x 300</td>
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<td>16.6</td>
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<tr>
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<td>65 ft / 20 m</td>
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<td>445 x 230 x 300</td>
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<td>18.7</td>
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1 ft = 30.48 cm / 1 lb = 0.4536 kg