Cordtex™ 10P Detonating Cord
Australia

Technical Properties

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<table>
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<tbody>
<tr>
<td>Nominal Coreload</td>
<td>10 g/m</td>
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<tr>
<td>Colour</td>
<td>Red</td>
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<tr>
<td>Nominal Tensile Strength</td>
<td>70 kgf</td>
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<tr>
<td>Nominal Velocity of Detonation</td>
<td>6.5 to 7.0 km/s</td>
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<tr>
<td>Nominal Diameter</td>
<td>4.6 mm (Average)</td>
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Description

Cordtex™ 10P is a strong, flexible detonating cord with a nominal core charge of 10 g/m PETN.

Cordtex™ 10P consists of a continuous core of PETN powder encased by high strength textiles. This is covered by a seamless plastic jacket. It is designed to maintain stability under all but the most demanding conditions.

Safety

Cordtex™ 10P contains explosive which is relatively insensitive to accidental initiation by shock, friction or mechanical impact under normal conditions of use.

Cordtex™ 10P can detonate if subjected to extremely high temperatures, but remains stable and safe to use below 80°C. For temperatures between 70°C and 80°C, exposure time should not exceed 24 hours.

Cordtex™ 10P is supplied in Class 1.1D packaging and has UN Number 0065.

Application

Cordtex™ 10P is suited for use as a surface trunkline, as it will reliably initiate itself through suitable knots and is compatible with Exel™ Millisecond Connectors (MSCs). Cordtex™ 10P will reliably initiate most Pentex™ boosters. Refer to the relevant Technical Data Sheet for application details.

Cordtex™ 10P will not generally initiate primer-sensitive blasting agents, but in some circumstances desensitisation or side-initiation can occur. Consequently the manufacturer or supplier should be consulted for specific recommendations in each situation.

Cordtex™ 10P has excellent resistance to penetration from water and oil. It has good flexibility and knot holding at normal ambient temperatures.

Recommendations For Use

Cordtex™ 10P should only be cut using a single bladed cutter, or a sharp knife on a non-ferrous block.

Cordtex™ 10P can be reliably initiated by an Exel™ Lead-In-Line, Exel™ Trunkline Delay or #8 Strength Electric Detonator. The detonator should be firmly attached to the cord, with its base at least 150 mm from a dry cut end and pointing in the desired direction of propagation. When using electric detonators, two detonators are recommended for reliability.

Cordtex™ 10P can be reliably initiated by detonating cords of 5 g/m or greater core charge when approved connections are used. For extending surface trunklines, cord should be tied together with a "reef" knot (Figure 1).

The knot should be 150mm from each cut end and pulled tight, with the free ends taped back along the cord to ensure positive contact. For attaching downlines and branchlines to a surface...
trunkline, connections should be made using an approved knot (Figure 1).

All connections should be tight and made at right angles, to minimise the chance of "approach"-type cutoff failures. Cordtex™ 10P surface trunklines should be laid out with no loops, kinks, tight bends or excessive slack.

Figure 1. Approved knots, from left to right: Reef knot, Double wrap clove hitch, Double half hitch.

A closed loop of cord is recommended to provide insurance against poor connections. It should never be pulled off the reel over an end flange, as this can cause kinks.

**Packaging**

Cordtex™ 10P detonating cord is supplied on chipboard spools, which hold 350 metres of cord. A standard cardboard outer case contains 2 of these spools, measures 0.54 x 0.28 x 0.27 m and weighs approximately 18 kg. The weight of contained explosive material is 7.0 kg per case.

**Storage and Handling**

Cordtex™ 10P should be in a cool, dry, well-ventilated magazine licensed for Class 1.1D explosives.

Cordtex™ 10P has a maximum shelf life of 5 years when stored correctly.

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**Emergency Telephone Numbers**

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