Description
Exel™ B Connector is a quick-connection unit that can initiate 5 to 20 Exel™ tubes at the same time. The standard Exel™ B Connector consists of a green SL (snapline) connector block that contains a mini detonator with no delay element. A loop of detonating cord, dimensioned to initiate a bunch of Exel™ tubes, is connected to the SL0 connector block.

Key Benefits
- Provides a high level of safety against initiation by static electricity, stray electric currents and RF transmissions at blast initiation point.
- Highly visible.
- Provides quick connection of multiple shock tubes, where simultaneous initiation of several charges close to each other is required for blasting applications on the surface and underground.

Recommendations for Use and Initiation
The Exel™ B Connectors are only intended for use freely hanging on the tunnel or development face:
- Prepare a tight bunch of not less than 5 and no more than 20 Exel™ shock tubes by taping them together.
- Pass the bunch through the loop of detonating cord.
- Slid the SL connector block towards the bunch.
- Press the lid of SL connector to locking position.
- Several bunches of Exel™ shock tubes can be initiated at the same time. Put free ends of 2 or more Exel™ B Connectors together and pull them away from the face (or the wall). No Exel™ B Connector or part of the detonating cord loop should be closer than 20 cm to an adjacent Exel™ tube.

Exel™ B Connector can be reliably initiated with:
- A blasting machine Exel™ Start DS2.
- A non-electric surface delay detonator.
- A full-strength detonator.

Technical Properties

<table>
<thead>
<tr>
<th>Product</th>
<th>Exel™ B Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal tube</td>
<td>Yellow Exel™</td>
</tr>
<tr>
<td>- Outer diameter (mm)</td>
<td>3 mm</td>
</tr>
<tr>
<td>- Nominal tensile strength</td>
<td>300 N at +20 °C</td>
</tr>
<tr>
<td>- Shock wave propagation (m/s)</td>
<td>2000 ±100</td>
</tr>
<tr>
<td>Detonator</td>
<td></td>
</tr>
<tr>
<td>- PETN/RDX Base charge surface detonator (mg)</td>
<td>160</td>
</tr>
<tr>
<td>- Shell material</td>
<td>Al</td>
</tr>
<tr>
<td>Detonating cord loop</td>
<td></td>
</tr>
<tr>
<td>- Outer diameter (mm)</td>
<td>4.0</td>
</tr>
<tr>
<td>- Explosive core</td>
<td>PETN</td>
</tr>
<tr>
<td>- Core load (g/m)</td>
<td>3.6 – 6.0</td>
</tr>
</tbody>
</table>
Packaging
Exel™ B Connectors are packed into plastic bags inside cardboard boxes. All units within a box have the same length.

<table>
<thead>
<tr>
<th>Tube length (m)</th>
<th>Qty per bag</th>
<th>Qty per box</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.8</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>4.8</td>
<td>10</td>
<td>100</td>
</tr>
</tbody>
</table>

Other lengths may be available by special arrangements.

Storage and Handling

Product Classification
Authorised Name: Exel™ B Connector
Proper Shipping Name: Detonator assemblies, non-electric
UN No: 0360
Classification: 1.1B

Exel™ B Connectors should be stored in a dry detonator magazine licensed for explosives. Stacks of cases should be no more than 2 meters high. Exel™ B Connectors may be used in temperatures from -40 °C up to 50 °C. Batches of Exel™ B Connectors more than 2 years old should not be used.

Disposal
Disposal of explosive materials can be hazardous. Methods for safe disposal of explosives may vary depending on the user’s situation. Please contact a local Orica representative for information on safe practices.

Safety
Avoid damage to the shock tube. Never pull so hard as to stretch or break shock tubing. A premature initiation may result.

Exel™ B Connectors incorporate sensitive components inside the detonator and a loop of detonating cord. Care should be taken not to cause initiation via impact, friction or heat.

Training
This Technical Data Sheet is for information only. The Exel™ system including the Exel™ B Connector should only be used by personnel who have been properly trained to use this system.

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