Individual & Overall Screened Thermocouple Cable

**Applications**
These cables are used with thermocouples for temperature measurements where hydrocarbon may be present.

**Standards**
IEC 60584-3; NF C 42-324

**Construction**
- Conductor: Metal according to thermocouple type
- Insulation: PVC
- Individual screen: Aluminum/polyester tape with tinned copper drain wire
- Individual sheath: PVC
- Overall screen: Aluminum/polyester tape with tinned copper drain wire
- Sheath: Special PVC. Color depends on thermocouple type

**Properties**
- Flame retardance: NFC 32070 C2, IEC 60332-1-2
- Operating voltage: 250V
- Operating temperature: -20~60°C
- Max. conductor temperature in service: 70°C
- Chemical resistance: Aliphatic and aromatic hydrocarbon resistance

<table>
<thead>
<tr>
<th>Conductor Size mm²</th>
<th>No. of Pairs</th>
<th>Min. O.D. (mm)</th>
<th>Max. O.D. (mm)</th>
<th>Approx. Weight (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 solid</td>
<td>3</td>
<td>11.1</td>
<td>12.8</td>
<td>180</td>
</tr>
<tr>
<td>0.5 solid</td>
<td>7</td>
<td>15.4</td>
<td>17.7</td>
<td>335</td>
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<tr>
<td>0.5 solid</td>
<td>12</td>
<td>19.8</td>
<td>22.8</td>
<td>545</td>
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<tr>
<td>0.5 solid</td>
<td>19</td>
<td>24.6</td>
<td>28.1</td>
<td>825</td>
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<tr>
<td>0.5 solid</td>
<td>27</td>
<td>28.9</td>
<td>33.2</td>
<td>1135</td>
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</table>