High temperature cable

for satellite electrical propulsion

From min -100°C to max. + 280°C for static applications
From min -50°C to max. +120°C for dynamic applications
Operating voltage: up to 5 kV DC

Main characteristics

- Radiation resistant up to 200 MRad.
- Maximum operating current up to 12A.
- Resistant to Corona effect.
- EMI protection.
- ESD immunization.
- Ability of the cable to flex and bend.

Construction

Primary wire
1 - Conductor: special nickel plated copper alloy.
2 - Multi-layered insulation.

Layer
3 - Special semi-conductive layer.

Shielding
4 - Braided shield: special nickel plated copper alloy.

<table>
<thead>
<tr>
<th>PRIMARY WIRE</th>
<th>SEMI-CONDUCTIVE LAYER</th>
<th>SHIELDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor nominal Ø (mm)</td>
<td>Conductor Area mm²</td>
<td>Insulation nominal Ø (mm)</td>
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<tr>
<td>2.56</td>
<td>3.89</td>
<td>5.10</td>
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</tbody>
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