DUAL WALL INSULATED WIRES & CABLES MADE OF MECOLINE RDX COMPOUNDS

HIGHLIGHTS

TEMPERATURE-RESISTANCE
HIGH CHEMICAL MEDIA-RESISTANCE
RADIATION CROSS-LINKABLE
# Processing guideline for the manufacturing of dual wall insulated wires made of Mecoline RDX Compounds

**Melos GmbH**  
Bismarckstrasse 4–10  
49324 Melle | Germany  
Phone +49 54 22 94 47-0  
Fax +49 54 22 59 81  
www.melos-gmbh.com/en/cable-compounds

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## Cable Compound Highlights

### Cable construction acc. to SAE AS-81044

- **Mecoline I RDX 5233**
- **Mecoline IS RDX 5241 F**

- tin plated multiple strand copper conductor

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### Key technical product data

**Radiation cross-linkable, halogenated insulation and sheathing compounds**

<table>
<thead>
<tr>
<th>Designation</th>
<th>SAE AS-81044 dual wall wire</th>
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<tbody>
<tr>
<td>Voltage rating</td>
<td>600 V</td>
</tr>
<tr>
<td>Conductor cross-section</td>
<td>30 - 12 AWG</td>
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<td>Conductor class</td>
<td>tin plated stranded copper according to SAE spec.*</td>
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#### Insulation material

1st Layer:
- Radiation cross-linkable modified polyalkene: Mecoline I RDX 5233 (primary insulation)

2nd Layer:
- Radiation cross-linkable modified PVDF: Mecoline IS RDX 5241 F (secondary insulation)

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#### Melos code

Mecoline I RDX 5233  
RDX 3144

-50 to 150

#### Melos code

Mecoline IS RDX 5241 F  
RDX 4144

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#### Special Features

- low-smoke
- abrasion-resistant
- oil-resistant
- abrasion-resistant
- flex at low temperature

#### Standards

- SAE AS-81044/9
- SAE AS-81044/11
- SAE AS-81044/12
- NEMA WC 27500

**Note:** Halogen-free product, but only applicable in combination with the halogenated Mecoline IS RDX 5241 F (see below)

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### Special compound based on fluoropolymers

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## Technical Paper

More detailed information can be found in our technical paper on our website: [www.melos-gmbh.com/cable-compounds/](http://www.melos-gmbh.com/cable-compounds/)

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Use our app to find the right compound: [www.cablecompoundfinder.com](http://www.cablecompoundfinder.com)  
Contact: cable@melos-gmbh.com