Chinese Standard Rolling Stock Cables

Caledonian

Low Smoke Halogen Free Flame Retardant Thin Wall Single Core Cables
WDZ-DCYJB-125, WDZ-DCYJB/2-125, WDZ-DCYJB/3-125
WDZ-DCYJB-150, WDZ-DCYJB/2-150, WDZ-DCYJB/3-150 750V

Application
- Used as power and control cable for protected installations inside and outside of rail and transport vehicles, where handling and installation cost are an important factor.
- Used in control, auxiliary and main circuit wiring such as cable harnesses, switchboards and control panels, driver desks etc.

Construction
Conductor
Tinned copper wires
Separator (if available)
Insulation
Cross-link polyolefin compound

Electrical & Mechanical Properties
Nominal Voltage 750V
Long-term Working Temperature
- 125°C (WDZ-DCYJB-125, WDZ-DCYJB/2-125, WDZ-DCYJB/3-125);
- 150°C (WDZ-DCYJB-150, WDZ-DCYJB/2-150, WDZ-DCYJB/3-150)
Lowest Operation Temperature -60°C
Minimum Bending Radius 6 x Overall Diameter

Fire Performance
Flame Retardant GB/T18380.1-2001; IEC 60332-3-25 D
Low Corrosivity (Acidity & Conductivity) GB/T17650.1-1998; GB/T17650.2-1998
Halogen Free GB/T17650.1-1998; GB/T17650.2-1998
Low Smoke GB/T17651.1-1998; GB/T17651.2-1998

Nominal Cross-Sectional Area
Conductor Construction
Nominal Insulation Thickness
Maximum Overall Diameter
Maximum Conductor Resistance 20°C

<table>
<thead>
<tr>
<th>Nominal Cross-Sectional Area</th>
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<tr>
<td>mm²</td>
<td>No/mm</td>
<td>mm</td>
<td>mm</td>
<td>Ω/km</td>
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<td>0.3</td>
<td>1.5</td>
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ADDISON
## Nominal Cross-Sectional Area

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<tr>
<td>mm²</td>
<td>No/mm</td>
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<td>Ω/km</td>
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For WDZ-DCYJB, WDZ-DCYJB/2, WDZ-DCYJB/3 type:

- **Impact Resistant**
- **Highly Flexible**
- **UV Resistant**
- **Ozone Resistant**
- **Abrasion Retardant**
- **Cold-resistant**
- **Resistance To Soldering Heat**
- **Flame Retardant**
- **Low Toxicity**
- **Low Corrosivity**
- **Low Smoke Emission**
- **Zero Halogen**

For WDZ-DCYJB/2 type:

- **IRM 902**
  - Mineral Oil Resistant

For WDZ-DCYJB/3 type:

- **IRM 902**
  - Mineral Oil Resistant
- **IRM 903**
  - Fuel Oil Resistant