FIREROL Extra-Flexible Standard Wall Single Core Unsheathed Cable
1500 V
NF F 63-826 (FRF-SW-1.5SU-EF)

Application
These cables are 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, suitable for use in control, auxiliary and main circuit wiring such as cable harnesses, switchboards and control panels, driver desks etc.

Construction
Conductor
Stranded tinned copper wires to IEC 60228 Class 6
Insulation
Special halogen free compound

Electrical & Mechanical Properties
Nominal Voltage 1500 V
Max. Conductor Temperature 90 °C/105 °C
Temperature Range -25 °C~+90 °C
Bending Radius 3 × Overall Diameter

Standards
NF F 63-826
NF F 16-101
BS 6853

Fire Performance in General
- EN 50265-2-1; IEC 60332-1-2; NF C 32-070 2.1 (C2)
- EN 50266-2-4 + EN 50305; IEC 60332-3-24;
- NF C 32-070 2.2 (C1); VDE 0472 Teil 804
- EN 50288-2; IEC 61034-2; NF C 32-073;
- NF C 20-902; NF F 16 101; VDE 0472 Teil 816
- EN 50267-2-1; IEC 60754-1; NF C 32-074;
- NF C 20-454; VDE 0472 Teil 815
- EN 50267-2-2/3; IEC 60754-2; NF C 32-074;
- NF C 20-453; VDE 0472 Teil 813
- EN 50305; NF X 70-100; NF F 63 808; TM1-04; BS6853
- NF F 63 808; BS6853; NF F 16 101

- Vertical flame propagation for a single insulated wire or cable
- Vertical flame spread of vertically mounted bunched wires or cables
- Low Smoke Emission
- Halogen Free
- Low Corrosivity (Acidity & Conductivity)
- Low Toxicity
- Smoke Index
# NF F 63-826 Rolling Stock Cables

## FRF-SW-1.5SU-EF 1500 V

<table>
<thead>
<tr>
<th>Nominal Cross-Sectional Area (mm²)</th>
<th>Number &amp; Nominal Diameter of Strands (No/mm)</th>
<th>Nominal Insulation Thickness (mm)</th>
<th>Overall Diameter (mm)</th>
<th>Weight (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Min.</td>
<td>Max.</td>
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<tr>
<td>10.0</td>
<td>320/0.20</td>
<td>2.3</td>
<td>8.4</td>
<td>9.5</td>
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<td>16.0</td>
<td>512/0.20</td>
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<td>9.7</td>
<td>10.8</td>
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<td>25.0</td>
<td>800/0.20</td>
<td>2.3</td>
<td>11.0</td>
<td>12.2</td>
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<td>35.0</td>
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<td>50.0</td>
<td>705/0.30</td>
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<td>14.2</td>
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<td>70.0</td>
<td>990/0.30</td>
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<td>16.1</td>
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