FIREROL High Temperature Single Core Unsheathed Cables
3000 V
NF F 63-827 (FRF-HT-3SU)

A. Conductor   B. Insulation

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 5
Separator
Polyester tape
Insulation
Halogen free silicone rubber

Electrical & Mechanical Properties
Nominal Voltage                   3000 V
Max. Conductor Temperature                                120 °C/140 °C
Temperature Range                   -40 °C~+135 °C
Bending Radius                   4 × Overall Diameter

Standards
NF F 63-827
NF F 16-101

Fire Performance in General
EN 50265-2-1; IEC 60332-1-2; NF C 32-070 2.1 (C2)  Vertical flame propagation for a single insulated wire or cable
EN 50266-2-4 + EN 50305; IEC 60332-3-24; Vertical flame spread of vertically mounted bunched wires or cables
NF C 32-070 2.2 (C1); VDE 0472 Teil 804
Low Smoke Emission
EN 50268-2; IEC 61034-2; NF C 32-073 ; Halogen Free
NF C 20-902; NF F 16 101; VDE 0472 Teil 816
Low Corrosivity (Acidity & Conductivity)
EN 50267-2-1; IEC 60754-1; NF C 32-074;
NF C 20-454; VDE 0472 Teil 815
Low Toxicity
NF C 20-453; VDE 0472 Teil 813
Smoke Index
EN 50305; NF X 70-100; NF F 63 808; TM1-04; BS6853
NF F 63 808; BS6853; NF F 16 101
# NF F 63-827 Rolling Stock Cables

**FRF-HT-3SU 3000 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 (Min. mm/Max. mm)</th>
<th>Weight (kg/km)</th>
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<td>2.3</td>
<td>6.4/7.2</td>
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<td>7.0/7.8</td>
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<td>7.5/8.3</td>
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