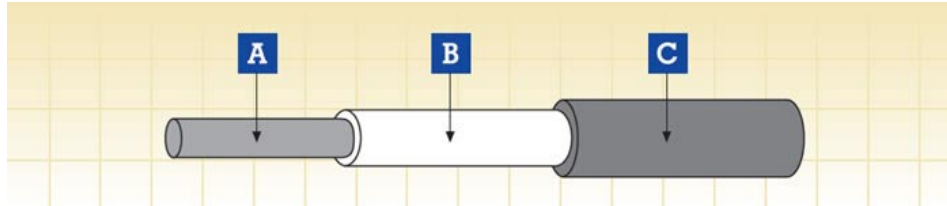




# NF F 63-827 Rolling Stock Cables

## NF F 63-827 Extra-Flexible High Temperature Sheathed Single Core 3000V



A. Conductor B. Insulation C. Sheath

### 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 used 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

Silicone halogen free rubber

#### Reinforcement

Textile braid

#### Sheath

Silicone halogen free rubber

### Electrical & Mechanical Properties

Nominal Voltage	3000V
Maximum Conductor Temperature	+120/+140°C
Temperature Range	-40°C ~135°C
Bending Radius	3×OD

### Standards

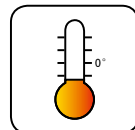
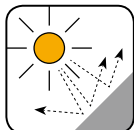
NF F 63-827  
NF F 16-101

### Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1  
 EN 50266-2-4 + EN 50305; IEC 60332-3C;  
 VDE 0472 Teil 804; BS 4066-3; NFC 32070  
 EN 50268-2; IEC 61034-2; VDE 0472 Teil 816  
 EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815  
 EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813  
 EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853  
 NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire or cable  
Fire propagation of bunched wires and cables;

Smoke density  
 Halogen Free  
 Corrosivity of gases (Acidity & Conductivity)  
 Toxicity index  
 Smoke index



**NF F 63-827 Rolling Stock Cables**

Nominal Cross Sectional Area	Number & Nominal Diameter of Strands	Nominal Insulation Thickness	Overall Diameter		Weight
			Min.	Max.	
mm <sup>2</sup>	No/mm	mm	mm	mm	kg/km
25.0	800/0.20	2.8	12.0	13.2	390
35.0	1120/0.20	2.8	13.2	14.7	500
50.0	705/0.30	3.0	15.2	16.7	680
70.0	990/0.30	3.2	17.1	18.8	930
95.0	1340/0.30	3.2	19.0	21.0	1150
120.0	1690/0.30	3.3	21.0	23.1	1470
150.0	2123/0.30	3.3	22.8	25.0	1800
185.0	1470/0.40	3.4	24.7	27.1	2240
240.0	1905/0.40	3.6	27.6	31.2	2820