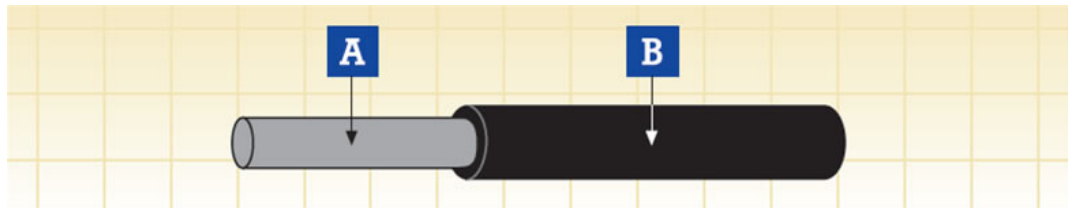




## NF F 63-808 Rolling Stock Cables

### FIREROL Thin Wall Single Core Unsheathed Cables 250 V NF F 63-808 (FRF-TW-025SU)



A. Conductor B. Insulation

#### Application

These cables are used as signal and control cable for protected installations inside and outside of rail and transport vehicles, where space and weight are an important factor, suitable for use in cable harnesses, switchboards and control panels, driver desks etc

#### Construction

Conductor

Stranded tinned copper wires

Insulation

Radiation crosslinkable LSZH compound

#### Electrical & Mechanical Properties

Nominal Voltage	250V
Maximum Conductor Temperature	105°C/125°C
Temperature Range	-40°C~+105°C
Bending Radius	5 × Overall Diameter

#### Standards

NF F 63-808  
NF F 16-101  
BS 6853  
DIN 5510

#### 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; NF C 32-070 2.2 (C1); VDE 0472 Teil 804	Vertical flame spread of vertically mounted bunched wires or cables
EN 50268-2; IEC 61034-2; NF C 32-073 ; NF C 20-902; NF F 16 101; VDE 0472 Teil 816	Low Smoke Emission
EN 50267-2-1; IEC 60754-1; NF C 32-074; NF C 20-454; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; NF C 32-074; NF C 20-453; VDE 0472 Teil 813	Low Corrosivity (Acidity & Conductivity)
EN 50305; NF X 70-100; NF F 63 808; TM1-04; BS6853 NF F 63 808; BS6853; NF F 16 101	Low Toxicity Smoke index



# NF F 63-808 Rolling Stock Cables

FRF-TW-025SU 250V

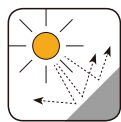
Nominal Cross Sectional Area	Number & Nominal Diameter of Strands	Overall Diameter		Weight
		Min.	Max.	
mm <sup>2</sup>	No/mm	mm	mm	kg/km
0.38	19/0.16	1.15	1.35	4.7
0.60	19/0.20	1.30	1.55	6.5
0.93	19/0.25	1.55	1.80	9.9
1.34	19/0.30	1.80	2.00	14.0
1.82	37/0.25	2.10	2.40	18.4
2.61	37/0.30	2.50	2.80	27.8
4.32	61/0.30	3.00	3.30	44.2



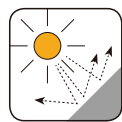
Impact Resistant



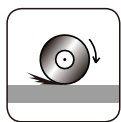
Highly Flexible



UV Resistant



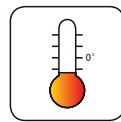
Ozone Resistant



Abrasion Retardant



Cold-resistant



Resistance To Soldering Heat



Acid&Alkaline Resistant



IRM 903  
Fuel Oil Resistant



IRM 902  
Mineral Oil Resistant



Fire Retardant  
NF C32-070-2.2(C2)  
IEC60332-3-24/EN50266-2-4



Flame Retardant  
NF C32-070-2.1(C1)  
IEC60332-1-2/EN50265-2-1



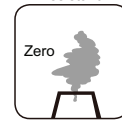
Low Toxicity  
NF X70-100/NF F63 808  
TM1-04/BS 6853



Low Corrosivity  
IEC60754-2/EN50267-2-2/3  
NF C32-074/ENDE 0472-813



Low Smoke Emission  
IEC 61034-2 / EN 50268-2  
NF C32-073/ENDE 0472-816



Zero Halogen  
IEC 60754-1/EN 50267-2-1  
NF C32-074/ENDE 0472-815