



Caledonian

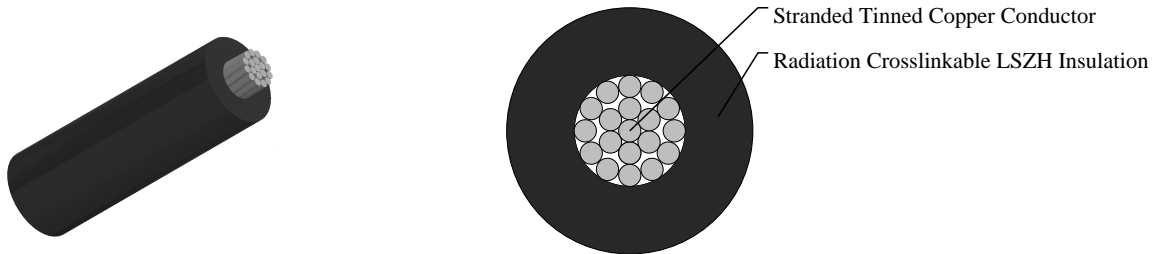
Rolling Stock Cables to French Standard

www.caledonian-cables.com

marketing@caledonian-cables.com

FIREROL Thin Wall Single Core Unsheathed Cables

NF F 63-808 (FRF-TW-025SU)



APPLICATIONS

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.

VOLTAGE RATING

250V

CABLE CONSTRUCTION

Conductor: Stranded tinned copper wires

Insulation: Radiation crosslinkable LSZH compound

Electrical Properties

Max. Conductor Temperature: 105 °C/125 °C

Temperature Range: -40 °C~+105 °C

Bending Radius: 5 × Overall Diameter

FIRE PERFORMANCE FOR ROLLING STOCK APPLICATION

NF F 63-808

NF F 16-101

BS 6853

DIN 5510

EN45545-2

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



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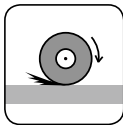
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EN 50267-2-1; IEC 60754-1; NF C 32-074;NF C 20-454; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; NF C 32-074;NF C 20-453; VDE 0472 Teil 813	Low Corrosivity (Acidity & Conductivity)
EN 50305; NF X 70-100; NF F 63 808; TM1-04; BS6853	Low Toxicity
NF F 63 808; BS6853; NF F 16 101	Smoke Index
EN45545-2	Requirement for fire behavior of materials & components R15/R16

DIMENSION AND PARAMETERS

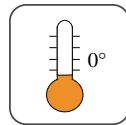
Nominal Cross-sectional Area	No./Nominal Diameter of Strands	Overall Diameter (min.)	Overall Diameter (max.)	Approx. Weight
mm ²	no./mm	mm	mm	kg/km
0.93	19/0.25	1.55	1.80	9.9



Abrasion Retardant



Acid & Alkaline Resistant



Cold Resistant



Fire Retardant
NF C32-070.2.2(C1)
IEC60332-3-24/EN50266-2-4



Flame Retardant
NF C32-070.2.1(C2)
IEC60332-1-2/EN50265-2-1



Highly Flexible



Impact Resistant



IRM 902
Mineral Oil Resistant



IRM 903
Fuel Oil Resistant



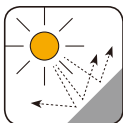
Low Corrosivity
IEC60754-2/EN50267-2-2/3
NF C32-074/NF C20-453



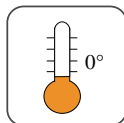
Low Smoke Emission
IEC 61034-2-1/EN 50268-2
NF C32-073/NF C 20-902



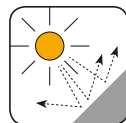
Low Toxicity
EN 50305; NF X70-100/NF
F63 808/TM1-04/BS 6853



Ozone Resistant



Resistance To
Soldering Heat



UV Resistant



Zero Halogen
IEC 60754-1/EN 50267-2-1
NF C20-454