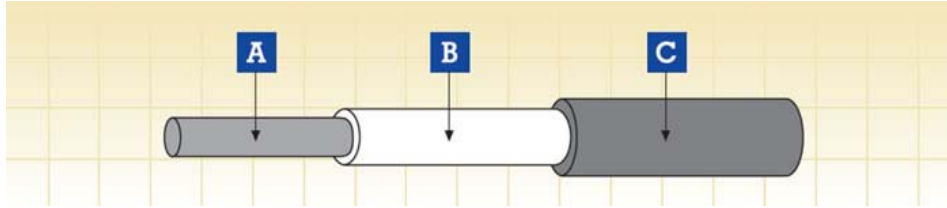




Chinese Standard Rolling Stock Cables

Super-thin Wall Sheathed Single Core Cables DTREF 750V



A. Conductor B. Insulation C. Sheath

Application

- 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.
- Used in control, auxiliary and main circuit wiring such as cable harnesses, switchboards and control panels, driver desks etc.

Construction

Conductor

Tinned copper wires

Insulation

Electron beam crosslinkable LSZH compound

Sheath

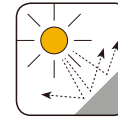
TPU plastic sheath



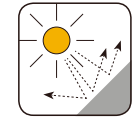
Impact Resistant



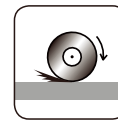
Highly Flexible



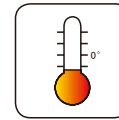
UV Resistant



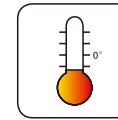
Ozone Resistant



Abrasion Retardant



Cold-resistant



Resistance To Soldering Heat



Acid&Alkaline Resistant

Electrical & Mechanical Properties

Nominal Voltage

750V

Short Circuit Temperature (5s)

250°C

Operating Temperature

-60°C/+125°C

Minimum Bending Radius

3 x Overall Diameter (OD≤20mm); 5 x Overall Diameter (OD≥20mm)

Fire Performance

Flame Retardant

GB/T18380.1-2001 DZ-1

Low Corrosivity (Acidity & Conductivity)

GB/T17650.1-1998; GB/T17650.2-1998

Halogen Free

GB/T17650.1-1998; GB/T17650.2-1998

Low Smoke

GB/T17651.1-1998; GB/T17651.2-1998

DTREF 750V

Nominal Cross-Sectional Area mm ²	Conductor Construction No/mm	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Maximum Overall Diameter mm	Weight kg/km	Maximum Conductor Resistance 20°C Ω/km
0.5	19/0.18	0.25	0.12	1.64	7.8	40.1
0.75	19/0.23	0.25	0.12	1.89	11.6	26.7
1.0	19/0.26	0.25	0.12	2.04	14.0	20.0
1.2	19/0.28	0.25	0.12	2.20	15.8	17.6
1.5	19/0.32	0.30	0.12	2.44	20.8	13.7
2.5	19/0.41	0.30	0.12	2.89	31.8	8.21
4.0	19/0.52	0.35	0.12	3.54	49.9	5.00



IRM 903
Fuel Oil Resistant



IRM 902
Mineral Oil Resistant



Fire Retardant
NF C32-070-2-2(C2)
IEC60332-3-24/EN50268-2-4



Flame Retardant
NF C32-070-2-1(C1)
IEC60332-1-2/EN50268-2-1



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



Low Corrosivity
IEC60754-2/EN50267-2-2/3
NF C32-074/VDE 0472-613



Low Smoke Emission
IEC 61034-2 / EN 50268-2
NF C32-073/VDE 0472-616



Zero Halogen
IEC 60754-1/EN 50267-2-1
NF C32-074/VDE 0472-615