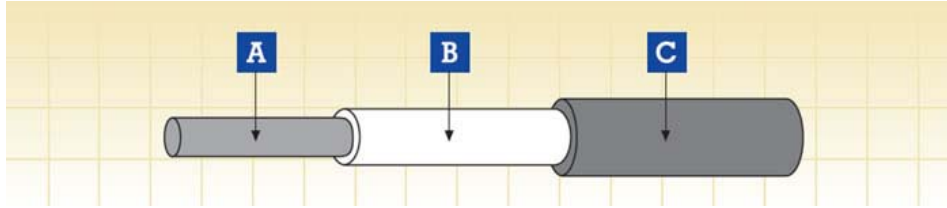




## Chinese Standard Rolling Stock Cables

### 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

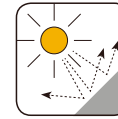
TPU plastic sheath



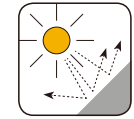
Impact Resistant



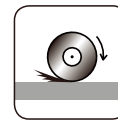
Highly Flexible



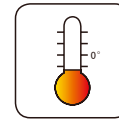
UV Resistant



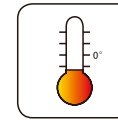
Ozone Resistant



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 <sup>2</sup>	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