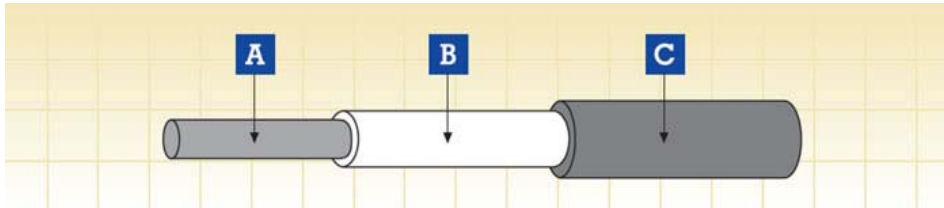


# Chinese Standard Rolling Stock Cables

## Low Smoke Halogen Free Flame Retardant Single Core Cables WDZ-DCEVM-100, WDZ-DCEVM-125 1.8/3kV



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

Separator (if available)

#### Insulation

Low smoke halogen free flame retardant compound

#### Sheath

Low smoke halogen free flame retardant compound

### Electrical & Mechanical Properties

Nominal Voltage	1.8/3kV
Long-term Working Temperature	100°C (WDZ-DCEVM-100); 125°C (WDZ-DCEVM-125)
Lowest Operation Temperature	-40°C
Minimum Bending Radius	2 x Overall Diameter (OD≤10mm); 4 x Overall Diameter (10mm≤OD≤20mm); 6 x Overall Diameter (OD≥20mm)

### Fire Performance

Flame Retardant	GB/T18380.1-2001; GB/T18380.3-2001 C
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

### WDZ-DCEVM-100, WDZ-DCEVM-125 1.8/3kV

Nominal Cross-Sectional Area	Conductor Construction	Nominal Insulation Thickness	Nominal Sheath Thickness	Maximum Overall Diameter	Maximum Conductor Resistance 20°C
mm <sup>2</sup>	No/mm	mm	mm	mm	Ω/km
2.5	77/0.20	0.9	0.9	6.5	8.21
4	77/0.26	0.9	0.9	7.2	5.09
6	84/0.30	0.9	0.9	7.9	3.39
10	84/0.40	1.0	0.9	9.2	1.95
16	126/0.40	1.0	1.0	11.0	1.24
25	196/0.40	1.2	1.1	13.2	0.795
35	276/0.40	1.2	1.1	14.5	0.565
50	396/0.40	1.2	1.1	16.2	0.393



## Chinese Standard Rolling Stock Cables

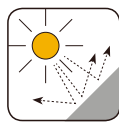
Nominal Cross-Sectional Area	Conductor Construction	Nominal Insulation Thickness	Nominal Sheath Thickness	Maximum Overall Diameter	Maximum Conductor Resistance 20°C
mm <sup>2</sup>	No/mm	mm	mm	mm	Ω/km
70	380/0.49	1.4	1.4	19.0	0.277
95	513/0.49	1.6	1.6	22.0	0.210
120	630/0.49	1.6	1.6	24.0	0.164
150	777/0.49	1.8	1.7	26.0	0.132
185	976/0.49	1.8	1.7	28.5	0.108
240	1281/0.49	1.8	1.7	30.9	0.0817
300	1586/0.49	1.8	1.7	33.5	0.0654



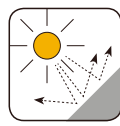
Impact Resistant



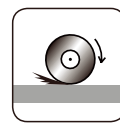
Highly Flexible



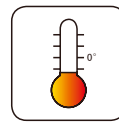
UV Resistant



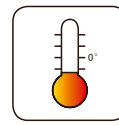
Ozone Resistant



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



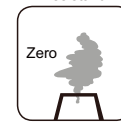
Low Toxicity  
NF X70-100/NF F63 808  
TM1-04/BS 6853



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



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



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