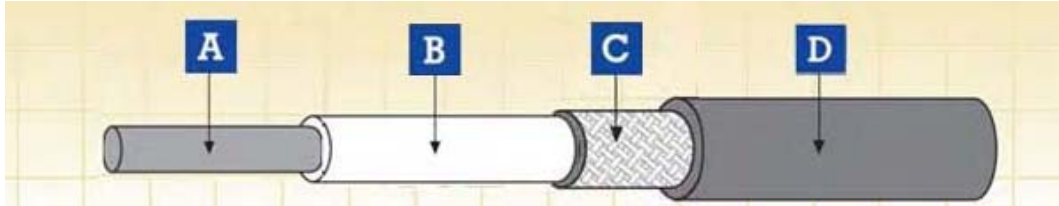


# Chinese Standard Rolling Stock Cables

## Low Smoke Halogen Free Flame Retardant Screened Single Core Cables WDW-DCEVMP-100, WDW-DCEVMP-125 1.8/3kV



A. Conductor B. Insulation C. Screen D. 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
- Screen**  
Tinned copper braid
- Sheath**  
Low smoke halogen free flame retardant compound

### Electrical & Mechanical Properties

- Nominal Voltage** 1.8/3kV
- Long-term Working Temperature** 100°C (WDZ-DCEVMP-100); 125°C (WDZ-DCEVMP-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-DCEVMP-100, WDW-DCEVMP-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
16	126/0.40	1.0	1.0	13.0	1.24
25	196/0.40	1.2	1.1	15.0	0.795
35	276/0.40	1.2	1.1	17.0	0.565
50	396/0.40	1.2	1.1	18.5	0.393
70	380/0.49	1.4	1.4	21.0	0.277



## Chinese Standard Rolling Stock Cables

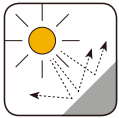
Nominal Cross-Sectional Area	Conductor Construction	Nominal Insulation Thickness	Nominal Sheath Thickness	Maximum Overall Diameter	Maximum Conductor Resistance 20°C
mm <sup>2</sup>	No/mm	mm	mm	mm	Ω/km
95	513/0.49	1.6	1.6	23.0	0.210
120	630/0.49	1.6	1.6	24.5	0.164
150	777/0.49	1.8	1.7	26.5	0.132



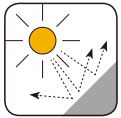
Impact Resistant



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