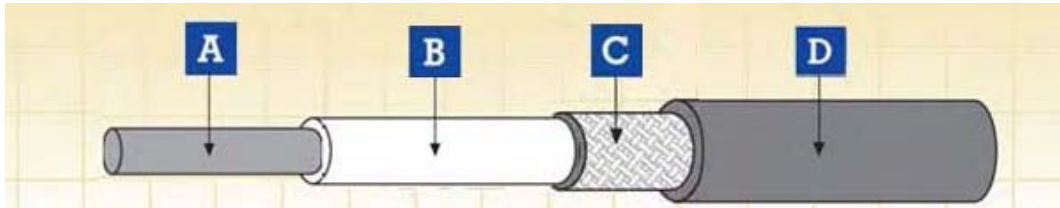




Chinese Standard Rolling Stock Cables

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 ²	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

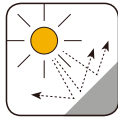
Nominal Cross-Sectional Area	Conductor Construction	Nominal Insulation Thickness	Nominal Sheath Thickness	Maximum Overall Diameter	Maximum Conductor Resistance 20°C
mm ²	No/mm	mm	mm	mm	Ω/km
95	513/0.49	1.6	1.6	23.0	0.210
120	630/0.49	1.6	1.6	24.5	0.164
150	777/0.49	1.8	1.7	26.5	0.132



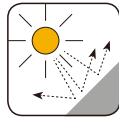
Impact Resistant



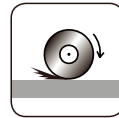
Highly Flexible



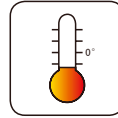
UV Resistant



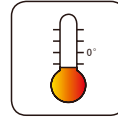
Ozone Resistant



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



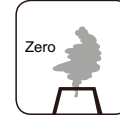
Low Toxicity
NF X70-100/NF F63 808
TM1-04/BS 6853



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