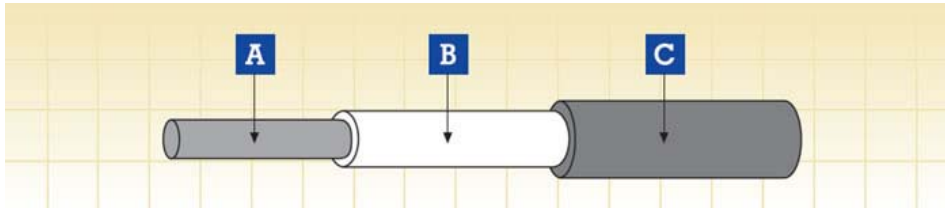




Chinese Standard Rolling Stock Cables

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 ²	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 ²	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



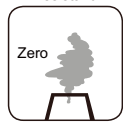
Low Toxicity
NF X70-100/NF F63 808
TM1-04/BS 6853



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