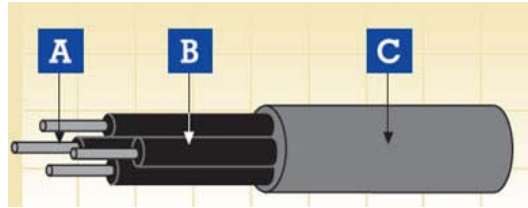




# Chinese Standard Rolling Stock Cables

## Railway Passenger DC Power Connector Cables WDZ-DCK-125 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, auxillary 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
- Filler
- Separator
- Sheath
  - Low smoke halogen free flame retardant compound

### Electrical & Mechanical Properties

- Nominal Voltage: 750V
- Long-term Working Temperature: 125°C
- 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/T 18380.1-2001; GB/T 18380.3-2001 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-DCK-125 750V

Number of conductor×Nominal Cross-Sectional Area	Conductor Construction	Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm <sup>2</sup>	No/mm	mm	kg/km	Ω/km
2×6	189/0.20	14.1	289	3.39
3×6	189/0.20	15.0	375	3.39
4×6	189/0.20	16.4	470	3.39
3×10	322/0.20	19.3	603	1.95



## Chinese Standard Rolling Stock Cables

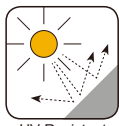
Number of conductor×Nominal Cross-Sectional Area	Conductor Construction	Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm <sup>2</sup>	No/mm	mm	kg/km	Ω/km
4×10	322/0.20	21.2	761	1.95
2×16	513/0.20	20.6	630	1.24
3×16	513/0.20	22.1	850	1.24
4×16	513/0.20	24.3	1079	1.24
2×25	798/0.20	24.0	887	0.79
3×25	798/0.20	25.6	1198	0.79
4×25	798/0.20	28.6	1554	0.79
2×35	1121/0.20	26.6	1141	0.56
3×35	1121/0.20	28.5	1580	0.56
4×35	1121/0.20	31.7	2047	0.56
2×50	703/0.30	31.0	1573	0.393
3×50	703/0.30	33.1	2160	0.393
4×50	703/0.30	36.7	2819	0.393



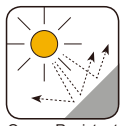
Corona Resistant



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



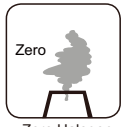
Low Toxicity  
NF X70-100/NF F53 808  
TM1-04/BS 6853



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



Low Smoke Emission  
IEC 81034-2 / EN 50268-2  
NF C32-073/VDE 0472-816



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