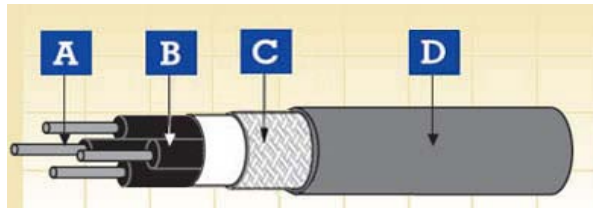




Chinese Standard Rolling Stock Cables

Low Smoke Halogen Free Flame Retardant Thin Wall Screened Multicore Cables Wdz-DCKP/B-100, Wdz-DCKP/B-125 250V, 750V



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
- Filler
- Separator
- Screen
 - Tinned copper braid
- Sheath
 - Low smoke halogen free flame retardant compound

Electrical & Mechanical Properties

| | |
|-------------------------------|---|
| Nominal Voltage | 250V, 750V |
| Long-term Working Temperature | 100°C (Wdz-DCKP/B-100); 125°C (Wdz-DCKP/B-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/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 |



Chinese Standard Rolling Stock Cables

WDZ-DCKP/B-100, WDZ-DCKP/B-125 250V

| Number of conductor×Nominal Cross-Sectional Area | Conductor Construction | Overall Diameter | Weight | Maximum Conductor Resistance 20°C |
|--|---------------------------|------------------|--------|---|
| mm ² | No/mm | mm | kg/km | Ω/km |
| 2×0.5 | 16/0.20 | 5.8 | 67 | 40.1 |
| 3×0.5 | 16/0.20 | 6.5 | 76 | 40.1 |
| 5×0.5 | 16/0.20 | 7.3 | 100 | 40.1 |
| 7×0.5 | 16/0.20 | 7.8 | 118 | 40.1 |
| 11×0.5 | 16/0.20 | 9.5 | 166 | 40.1 |
| 16×0.5 | 16/0.20 | 10.3 | 209 | 40.1 |
| 19×0.5 | 16/0.20 | 10.8 | 232 | 40.1 |
| 20×0.5 | 16/0.20 | 11.3 | 246 | 40.1 |
| 24×0.5 | 16/0.20 | 12.3 | 283 | 40.1 |
| 33×0.5 | 16/0.20 | 13.8 | 369 | 40.1 |
| 37×0.5 | 16/0.20 | 14.2 | 400 | 40.1 |
| 43×0.5 | 16/0.20 | 15.8 | 459 | 40.1 |
| 48×0.5 | 16/0.20 | 16.0 | 494 | 40.1 |
| 2×0.75 | 24/0.20 | 6.3 | 79 | 26.7 |
| 3×0.75 | 24/0.20 | 7.0 | 90 | 26.7 |
| 5×0.75 | 24/0.20 | 8.0 | 120 | 26.7 |
| 7×0.75 | 24/0.20 | 8.5 | 144 | 26.7 |
| 11×0.75 | 24/0.20 | 10.5 | 207 | 26.7 |
| 16×0.75 | 24/0.20 | 11.5 | 263 | 26.7 |
| 19×0.75 | 24/0.20 | 12.0 | 296 | 26.7 |
| 20×0.75 | 24/0.20 | 12.5 | 314 | 26.7 |
| 24×0.75 | 24/0.20 | 14.2 | 377 | 26.7 |
| 33×0.75 | 24/0.20 | 15.4 | 476 | 26.7 |
| 37×0.75 | 24/0.20 | 15.9 | 519 | 26.7 |
| 43×0.75 | 24/0.20 | 17.7 | 597 | 26.7 |
| 48×0.75 | 24/0.20 | 18.0 | 647 | 26.7 |
| 2×1.0 | 32/0.20 | 6.7 | 89 | 20.0 |
| 3×1.0 | 32/0.20 | 7.4 | 102 | 20.0 |
| 5×1.0 | 32/0.20 | 8.4 | 139 | 20.0 |
| 7×1.0 | 32/0.20 | 9.0 | 169 | 20.0 |
| 11×1.0 | 32/0.20 | 11.3 | 244 | 20.0 |
| 16×1.0 | 32/0.20 | 12.3 | 315 | 20.0 |
| 19×1.0 | 32/0.20 | 13.3 | 370 | 20.0 |
| 20×1.0 | 32/0.20 | 13.9 | 392 | 20.0 |
| 24×1.0 | 32/0.20 | 15.2 | 454 | 20.0 |
| 33×1.0 | 32/0.20 | 16.6 | 579 | 20.0 |
| 37×1.0 | 32/0.20 | 17.2 | 633 | 20.0 |
| 43×1.0 | 32/0.20 | 19.7 | 774 | 20.0 |
| 48×1.0 | 32/0.20 | 20.0 | 838 | 20.0 |
| 2×1.5 | 48/0.20 | 7.3 | 107 | 13.7 |
| 3×1.5 | 48/0.20 | 8.0 | 125 | 13.7 |
| 5×1.5 | 48/0.20 | 9.2 | 175 | 13.7 |
| 7×1.5 | 48/0.20 | 9.9 | 216 | 13.7 |
| 11×1.5 | 48/0.20 | 12.5 | 318 | 13.7 |
| 16×1.5 | 48/0.20 | 14.1 | 430 | 13.7 |
| 19×1.5 | 48/0.20 | 14.8 | 489 | 13.7 |
| 20×1.5 | 48/0.20 | 15.4 | 519 | 13.7 |
| 24×1.5 | 48/0.20 | 17.0 | 603 | 13.7 |
| 33×1.5 | 48/0.20 | 19.1 | 823 | 13.7 |
| 37×1.5 | 48/0.20 | 19.8 | 901 | 13.7 |
| 43×1.5 | 48/0.20 | 22.0 | 1037 | 13.7 |
| 48×1.5 | 48/0.20 | 22.4 | 1128 | 13.7 |
| 2×2.5 | 77/0.20 | 8.2 | 139 | 8.21 |
| 3×2.5 | 77/0.20 | 9.0 | 171 | 8.21 |
| 5×2.5 | 77/0.20 | 10.5 | 240 | 8.21 |
| 7×2.5 | 77/0.20 | 11.3 | 300 | 8.21 |
| 11×2.5 | 77/0.20 | 14.8 | 462 | 8.21 |
| 16×2.5 | 77/0.20 | 16.3 | 612 | 8.21 |
| 19×2.5 | 77/0.20 | 17.1 | 701 | 8.21 |



Chinese Standard Rolling Stock Cables

| Number of conductor×Nominal Cross-Sectional Area | Conductor Construction | Overall Diameter | Weight | Maximum Conductor Resistance 20°C |
|--|------------------------|------------------|--------|-----------------------------------|
| mm ² | No/mm | mm | kg/km | Ω/km |
| 20×2.5 | 77/0.20 | 17.9 | 744 | 8.21 |
| 24×2.5 | 77/0.20 | 20.4 | 917 | 8.21 |
| 33×2.5 | 77/0.20 | 22.3 | 1187 | 8.21 |
| 37×2.5 | 77/0.20 | 23.1 | 1306 | 8.21 |
| 43×2.5 | 77/0.20 | 26.0 | 1519 | 8.21 |
| 48×2.5 | 77/0.20 | 26.4 | 1658 | 8.21 |
| 2×4.0 | 77/0.26 | 9.4 | 189 | 5.09 |
| 3×4.0 | 77/0.26 | 10.3 | 240 | 5.09 |
| 5×4.0 | 77/0.26 | 12.1 | 344 | 5.09 |
| 7×4.0 | 77/0.26 | 13.5 | 455 | 5.09 |
| 11×4.0 | 77/0.26 | 17.3 | 686 | 5.09 |
| 16×4.0 | 77/0.26 | 19.7 | 967 | 5.09 |
| 19×4.0 | 77/0.26 | 20.7 | 1110 | 5.09 |
| 20×4.0 | 77/0.26 | 21.7 | 1178 | 5.09 |
| 24×4.0 | 77/0.26 | 24.2 | 1398 | 5.09 |
| 33×4.0 | 77/0.26 | 26.5 | 1821 | 5.09 |
| 37×4.0 | 77/0.26 | 27.5 | 2008 | 5.09 |
| 43×4.0 | 77/0.26 | 31.0 | 2366 | 5.09 |
| 48×4.0 | 77/0.26 | 31.5 | 2592 | 5.09 |

WDZ-DCKP/B-100, WDZ-DCKP/B-125 750V

| Number of conductor×Nominal Cross-Sectional Area | Conductor Construction | Overall Diameter | Weight | Maximum Conductor Resistance 20°C |
|--|------------------------|------------------|--------|-----------------------------------|
| mm ² | No/mm | mm | kg/km | Ω/km |
| 2×0.5 | 16/0.20 | 6.0 | 72 | 40.1 |
| 3×0.5 | 16/0.20 | 6.7 | 80 | 40.1 |
| 5×0.5 | 16/0.20 | 7.6 | 105 | 40.1 |
| 7×0.5 | 16/0.20 | 8.1 | 124 | 40.1 |
| 11×0.5 | 16/0.20 | 9.9 | 175 | 40.1 |
| 16×0.5 | 16/0.20 | 10.8 | 219 | 40.1 |
| 19×0.5 | 16/0.20 | 11.3 | 245 | 40.1 |
| 20×0.5 | 16/0.20 | 11.8 | 260 | 40.1 |
| 24×0.5 | 16/0.20 | 13.3 | 312 | 40.1 |
| 33×0.5 | 16/0.20 | 14.5 | 389 | 40.1 |
| 37×0.5 | 16/0.20 | 14.9 | 422 | 40.1 |
| 43×0.5 | 16/0.20 | 16.6 | 485 | 40.1 |
| 48×0.5 | 16/0.20 | 16.8 | 522 | 40.1 |
| 2×0.75 | 24/0.20 | 6.5 | 83 | 26.7 |
| 3×0.75 | 24/0.20 | 7.2 | 94 | 26.7 |
| 5×0.75 | 24/0.20 | 8.2 | 126 | 26.7 |
| 7×0.75 | 24/0.20 | 8.8 | 151 | 26.7 |
| 11×0.75 | 24/0.20 | 10.9 | 216 | 26.7 |
| 16×0.75 | 24/0.20 | 11.9 | 274 | 26.7 |
| 19×0.75 | 24/0.20 | 12.5 | 310 | 26.7 |
| 20×0.75 | 24/0.20 | 13.5 | 342 | 26.7 |
| 24×0.75 | 24/0.20 | 14.8 | 394 | 26.7 |
| 33×0.75 | 24/0.20 | 16.1 | 499 | 26.7 |
| 37×0.75 | 24/0.20 | 16.6 | 543 | 26.7 |
| 43×0.75 | 24/0.20 | 19.1 | 670 | 26.7 |
| 48×0.75 | 24/0.20 | 19.4 | 722 | 26.7 |
| 2×1.0 | 32/0.20 | 6.9 | 92 | 20.0 |
| 3×1.0 | 32/0.20 | 7.6 | 106 | 20.0 |
| 5×1.0 | 32/0.20 | 8.7 | 145 | 20.0 |
| 7×1.0 | 32/0.20 | 9.3 | 176 | 20.0 |
| 11×1.0 | 32/0.20 | 11.7 | 255 | 20.0 |
| 16×1.0 | 32/0.20 | 12.8 | 328 | 20.0 |
| 19×1.0 | 32/0.20 | 13.8 | 385 | 20.0 |
| 20×1.0 | 32/0.20 | 14.4 | 408 | 20.0 |
| 24×1.0 | 32/0.20 | 15.8 | 472 | 20.0 |

Chinese Standard Rolling Stock Cables

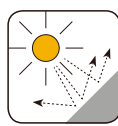
| Number of conductor×Nominal Cross-Sectional Area | Conductor Construction | Overall Diameter | Weight | Maximum Conductor Resistance 20°C |
|--|------------------------|------------------|--------|-----------------------------------|
| mm ² | No/mm | mm | kg/km | Ω/km |
| 33×1.0 | 32/0.20 | 17.3 | 602 | 20.0 |
| 37×1.0 | 32/0.20 | 17.9 | 675 | 20.0 |
| 43×1.0 | 32/0.20 | 20.5 | 806 | 20.0 |
| 48×1.0 | 32/0.20 | 20.8 | 873 | 20.0 |
| 2×1.5 | 48/0.20 | 7.5 | 111 | 13.7 |
| 3×1.5 | 48/0.20 | 8.2 | 129 | 13.7 |
| 5×1.5 | 48/0.20 | 9.5 | 181 | 13.7 |
| 7×1.5 | 48/0.20 | 10.2 | 224 | 13.7 |
| 11×1.5 | 48/0.20 | 13.3 | 342 | 13.7 |
| 16×1.5 | 48/0.20 | 14.6 | 443 | 13.7 |
| 19×1.5 | 48/0.20 | 15.3 | 505 | 13.7 |
| 20×1.5 | 48/0.20 | 15.9 | 536 | 13.7 |
| 24×1.5 | 48/0.20 | 17.6 | 623 | 13.7 |
| 33×1.5 | 48/0.20 | 19.8 | 851 | 13.7 |
| 37×1.5 | 48/0.20 | 20.5 | 931 | 13.7 |
| 43×1.5 | 48/0.20 | 22.8 | 1072 | 13.7 |
| 48×1.5 | 48/0.20 | 23.2 | 1165 | 13.7 |
| 2×2.5 | 77/0.20 | 8.4 | 143 | 8.21 |
| 3×2.5 | 77/0.20 | 9.2 | 176 | 8.21 |
| 5×2.5 | 77/0.20 | 10.8 | 246 | 8.21 |
| 7×2.5 | 77/0.20 | 11.6 | 308 | 8.21 |
| 11×2.5 | 77/0.20 | 15.2 | 475 | 8.21 |
| 16×2.5 | 77/0.20 | 16.8 | 629 | 8.21 |
| 19×2.5 | 77/0.20 | 17.6 | 719 | 8.21 |
| 20×2.5 | 77/0.20 | 19.0 | 809 | 8.21 |
| 24×2.5 | 77/0.20 | 21.0 | 942 | 8.21 |
| 33×2.5 | 77/0.20 | 23.0 | 1219 | 8.21 |
| 37×2.5 | 77/0.20 | 24.0 | 1351 | 8.21 |
| 43×2.5 | 77/0.20 | 26.8 | 1559 | 8.21 |
| 48×2.5 | 77/0.20 | 27.2 | 1702 | 8.21 |
| 2×4.0 | 77/0.26 | 9.6 | 194 | 5.09 |
| 3×4.0 | 77/0.26 | 10.5 | 244 | 5.09 |
| 5×4.0 | 77/0.26 | 12.4 | 351 | 5.09 |
| 7×4.0 | 77/0.26 | 13.8 | 463 | 5.09 |
| 11×4.0 | 77/0.26 | 17.7 | 696 | 5.09 |
| 16×4.0 | 77/0.26 | 20.2 | 987 | 5.09 |
| 19×4.0 | 77/0.26 | 21.2 | 1132 | 5.09 |
| 20×4.0 | 77/0.26 | 22.2 | 1202 | 5.09 |
| 24×4.0 | 77/0.26 | 24.8 | 1418 | 5.09 |
| 33×4.0 | 77/0.26 | 27.2 | 1857 | 5.09 |
| 37×4.0 | 77/0.26 | 28.2 | 2047 | 5.09 |
| 43×4.0 | 77/0.26 | 31.8 | 2413 | 5.09 |
| 48×4.0 | 77/0.26 | 32.3 | 2643 | 5.09 |



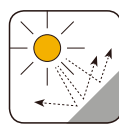
Corona Resistant



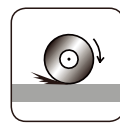
Highly Flexible



UV Resistant



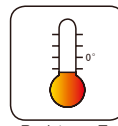
Ozone Resistant



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



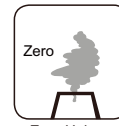
Low Toxicity
NF X70-100/NF F83 808
TM1-04/BS 6853



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