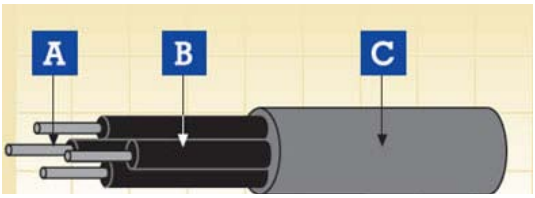
Low Smoke Halogen Free Flame Retardant Thin Wall Multicore Cables WDZ-DCK/B-100, WDZ-DCK/B-125 250V, 750V



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	250V, 750V
Long-term Working Temperature	100°C (WDZ-DCK/B-100); 125°C (WDZ-DCK/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

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

Number of conductor×Nominal Cross-Sectional Area	Conductor Construction	Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	kg/km	Ω/km
2×0.5	16/0.20	5.0	38	40.1
3×0.5	16/0.20	5.7	46	40.1
5×0.5	16/0.20	6.5	65	40.1

Chinese Standard Rolling Stock Cables

Number of conductor×Nominal Cross-Sectional Area	Conductor Construction	Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	kg/km	Ω/km
7×0.5	16/0.20	7.0	80	40.1
11×0.5	16/0.20	8.7	117	40.1
16×0.5	16/0.20	9.5	154	40.1
19×0.5	16/0.20	10.0	176	40.1
20×0.5	16/0.20	10.5	187	40.1
24×0.5	16/0.20	11.5	217	40.1
33×0.5	16/0.20	13.0	295	40.1
37×0.5	16/0.20	13.4	324	40.1
43×0.5	16/0.20	15.0	373	40.1
48×0.5	16/0.20	15.2	407	40.1
2×0.75	24/0.20	5.5	48	26.7
3×0.75	24/0.20	6.2	57	26.7
5×0.75	24/0.20	7.2	82	26.7
7×0.75	24/0.20	7.7	102	26.7
11×0.75	24/0.20	9.7	152	26.7
16×0.75	24/0.20	10.7	203	26.7
19×0.75	24/0.20	11.2	233	26.7
20×0.75	24/0.20	11.7	248	26.7
24×0.75	24/0.20	13.4	302	26.7
33×0.75	24/0.20	14.6	394	26.7
37×0.75	24/0.20	15.1	434	26.7
43×0.75	24/0.20	16.9	501	26.7
48×0.75	24/0.20	17.2	549	26.7
2×1.0	32/0.20	5.9	55	20.0
3×1.0	32/0.20	6.6	67	20.0
5×1.0	32/0.20	7.6	98	20.0
7×1.0	32/0.20	8.2	124	20.0
11×1.0	32/0.20	10.5	186	20.0
16×1.0	32/0.20	11.5	250	20.0
19×1.0	32/0.20	12.5	301	20.0
20×1.0	32/0.20	13.1	320	20.0
24×1.0	32/0.20	14.4	373	20.0
33×1.0	32/0.20	15.8	490	20.0
37×1.0	32/0.20	16.4	540	20.0
43×1.0	32/0.20	18.7	643	20.0
48×1.0	32/0.20	19.0	704	20.0
2×1.5	48/0.20	6.5	70	13.7
3×1.5	48/0.20	7.2	86	13.7
5×1.5	48/0.20	8.4	129	13.7
7×1.5	48/0.20	9.1	166	13.7
11×1.5	48/0.20	11.7	252	13.7
16×1.5	48/0.20	13.3	356	13.7
19×1.5	48/0.20	14.0	411	13.7
20×1.5	48/0.20	14.6	436	13.7
24×1.5	48/0.20	16.2	511	13.7
33×1.5	48/0.20	18.1	693	13.7
37×1.5	48/0.20	18.8	765	13.7
43×1.5	48/0.20	21.0	855	13.7
48×1.5	48/0.20	21.4	973	13.7
2×2.5	77/0.20	7.4	96	8.21
3×2.5	77/0.20	8.2	125	8.21
5×2.5	77/0.20	9.7	185	8.21
7×2.5	77/0.20	10.5	241	8.21
11×2.5	77/0.20	14.0	383	8.21
16×2.5	77/0.20	15.5	524	8.21
19×2.5	77/0.20	16.3	607	8.21
20×2.5	77/0.20	17.1	646	8.21
24×2.5	77/0.20	19.4	778	8.21
33×2.5	77/0.20	21.3	1034	8.21
37×2.5	77/0.20	22.1	1145	8.21
43×2.5	77/0.20	25.0	1337	8.21

Number of conductor×Nominal Cross-Sectional Area	Conductor Construction	Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	kg/km	Ω/km
48×2.5	77/0.20	25.4	1474	8.21
2×4.0	77/0.26	8.6	139	5.09
3×4.0	77/0.26	9.5	186	5.09
5×4.0	77/0.26	11.3	279	5.09
7×4.0	77/0.26	12.7	382	5.09
11×4.0	77/0.26	16.5	591	5.09
16×4.0	77/0.26	18.7	833	5.09
19×4.0	77/0.26	19.7	968	5.09
20×4.0	77/0.26	20.7	1029	5.09
24×4.0	77/0.26	23.2	1230	5.09
33×4.0	77/0.26	25.5	1643	5.09
37×4.0	77/0.26	26.5	1822	5.09
43×4.0	77/0.26	29.8	2112	5.09
48×4.0	77/0.26	30.3	2334	5.09

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

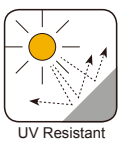
Number of conductor×Nominal Cross-Sectional Area	Conductor Construction	Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	kg/km	Ω/km
2×0.5	16/0.20	5.2	44	40.1
3×0.5	16/0.20	5.9	51	40.1
5×0.5	16/0.20	6.8	71	40.1
7×0.5	16/0.20	7.3	87	40.1
11×0.5	16/0.20	9.1	128	40.1
16×0.5	16/0.20	10.0	167	40.1
19×0.5	16/0.20	10.5	191	40.1
20×0.5	16/0.20	11.0	215	40.1
24×0.5	16/0.20	12.5	249	40.1
33×0.5	16/0.20	13.7	320	40.1
37×0.5	16/0.20	14.1	351	40.1
43×0.5	16/0.20	15.8	422	40.1
48×0.5	16/0.20	16.0	459	40.1
2×0.75	24/0.20	5.7	52	26.7
3×0.75	24/0.20	6.4	62	26.7
5×0.75	24/0.20	7.4	88	26.7
7×0.75	24/0.20	8.0	110	26.7
11×0.75	24/0.20	10.1	163	26.7
16×0.75	24/0.20	11.1	216	26.7
19×0.75	24/0.20	11.7	261	26.7
20×0.75	24/0.20	12.7	278	26.7
24×0.75	24/0.20	14.0	322	26.7
33×0.75	24/0.20	15.3	419	26.7
37×0.75	24/0.20	15.8	470	26.7
43×0.75	24/0.20	18.1	552	26.7
48×0.75	24/0.20	18.4	602	26.7
2×1.0	32/0.20	6.1	61	20.0
3×1.0	32/0.20	6.8	73	20.0
5×1.0	32/0.20	7.9	106	20.0
7×1.0	32/0.20	8.5	133	20.0
11×1.0	32/0.20	10.9	212	20.0
16×1.0	32/0.20	12.0	281	20.0
19×1.0	32/0.20	13.0	322	20.0
20×1.0	32/0.20	13.6	342	20.0
24×1.0	32/0.20	15.0	398	20.0
33×1.0	32/0.20	16.5	540	20.0
37×1.0	32/0.20	17.1	593	20.0
43×1.0	32/0.20	19.5	685	20.0
48×1.0	32/0.20	19.8	749	20.0
2×1.5	48/0.20	6.7	78	13.7

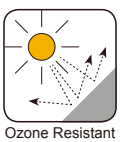
Chinese Standard Rolling Stock Cables

Number of conductor×Nominal Cross-Sectional Area	Conductor Construction	Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	kg/km	Ω/km
3×1.5	48/0.20	7.4	94	13.7
5×1.5	48/0.20	8.7	133	13.7
7×1.5	48/0.20	9.4	171	13.7
11×1.5	48/0.20	12.5	272	13.7
16×1.5	48/0.20	13.8	366	13.7
19×1.5	48/0.20	14.5	424	13.7
20×1.5	48/0.20	15.1	451	13.7
24×1.5	48/0.20	16.8	528	13.7
33×1.5	48/0.20	18.8	717	13.7
37×1.5	48/0.20	19.5	792	13.7
43×1.5	48/0.20	21.8	916	13.7
48×1.5	48/0.20	22.2	1007	13.7
2×2.5	77/0.20	7.6	99	8.21
3×2.5	77/0.20	8.4	129	8.21
5×2.5	77/0.20	10.0	190	8.21
7×2.5	77/0.20	10.8	247	8.21
11×2.5	77/0.20	14.4	393	8.21
16×2.5	77/0.20	16.0	537	8.21
19×2.5	77/0.20	16.8	622	8.21
20×2.5	77/0.20	18.0	680	8.21
24×2.5	77/0.20	20.0	797	8.21
33×2.5	77/0.20	22.0	1060	8.21
37×2.5	77/0.20	23.0	1185	8.21
43×2.5	77/0.20	25.8	1371	8.21
48×2.5	77/0.20	26.2	1511	8.21
2×4.0	77/0.26	8.8	142	5.09
3×4.0	77/0.26	9.7	190	5.09
5×4.0	77/0.26	11.6	285	5.09
7×4.0	77/0.26	13.0	389	5.09
11×4.0	77/0.26	16.9	599	5.09
16×4.0	77/0.26	19.2	849	5.09
19×4.0	77/0.26	20.2	986	5.09
20×4.0	77/0.26	21.2	1049	5.09
24×4.0	77/0.26	23.8	1246	5.09
33×4.0	77/0.26	26.2	1667	5.09
37×4.0	77/0.26	27.2	1849	5.09
43×4.0	77/0.26	30.6	2143	5.09
48×4.0	77/0.26	31.1	2368	5.09

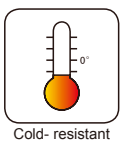

Corona Resistant


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 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