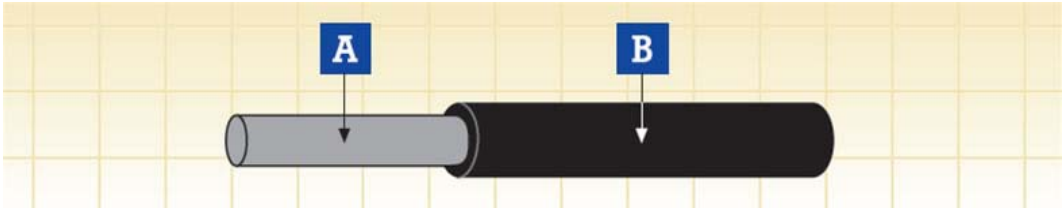
Low Smoke Halogen Free Flame Retardant Unsheathed Single Core Cables WDZ-DCYJ-125, WDZ-DCYJ/2-125, WDZ-DCYJ/3-125 750V, 1500V, 3000V



A. Conductor B. Insulation

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
Cross-link Polyolefin insulation

Electrical & Mechanical Properties

Nominal Voltage	750V,1500V, 3000V
Operating Temperature	-55°C/+125°C
Minimum Bending Radius	3 x Overall Diameter (OD≤20mm); 5 x Overall Diameter (OD≥20mm)

Fire Performance

Flame Retardant	GB 12666-90 DZ-1
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-DCYJ-125, WDZ-DCYJ/2-125, WDZ-DCYJ/3-125 750V

Nominal Cross-Sectional Area	Conductor Construction	Nominal Insulation Thickness	Maximum Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	mm	kg/km	Ω/km
0.75	24/0.20	0.8	3.0	14	26.7
1.0	32/0.20	0.8	3.3	16	20.0
1.5	48/0.20	0.8	3.6	21	13.7
2.5	77/0.20	0.8	4.2	31	8.21
4	126/0.20	0.8	5.0	52	5.09
6	189/0.20	0.8	5.7	73	3.39
10	322/0.20	1.2	7.7	126	1.95
16	513/0.20	1.2	9.0	184	1.24
25	798/0.20	1.2	10.5	274	0.795

Nominal Cross-Sectional Area	Conductor Construction	Nominal Insulation Thickness	Maximum Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	mm	kg/km	Ω/km
35	1121/0.20	1.2	11.8	378	0.565
50	703/0.30	1.4	13.9	540	0.393
70	999/0.30	1.6	16.5	767	0.277
95	1332/0.30	1.6	18.6	1031	0.210
120	1702/0.30	1.8	21.0	1267	0.164
150	2109/0.30	2.0	23.4	1557	0.132
185	1443/0.40	2.0	25.5	1881	0.108
240	1924/0.40	2.2	29.4	2518	0.0817
300	2368/0.40	2.2	32.0	3084	0.0654

WDZ-DCYJ-125, WDZ-DCYJ/2-125, WDZ-DCYJ/3-125 1500V

Nominal Cross-Sectional Area	Conductor Construction	Nominal Insulation Thickness	Maximum Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	mm	kg/km	Ω/km
0.75	24/0.20	1.2	3.9	19	26.7
1.0	32/0.20	1.2	4.1	22	20.0
1.5	48/0.20	1.2	4.4	27	13.7
2.5	77/0.20	1.2	5.0	38	8.21
4	126/0.20	1.2	5.9	55	5.09
6	189/0.20	1.2	6.6	82	3.39
10	322/0.20	1.4	8.1	131	1.95
16	513/0.20	1.4	9.4	190	1.24
25	798/0.20	1.4	10.9	282	0.795
35	1121/0.20	1.4	12.2	397	0.565
50	703/0.30	1.6	14.4	561	0.393
70	999/0.30	1.8	17.0	779	0.277
95	1332/0.30	2.0	19.4	1045	0.210
120	1702/0.30	2.2	21.4	1282	0.164
150	2109/0.30	2.4	24.2	1574	0.132
185	1443/0.40	2.4	26.3	1919	0.108
240	1924/0.40	2.6	30.2	2561	0.0817
300	2368/0.40	2.6	32.8	3177	0.0654

WDZ-DCYJ-125, WDZ-DCYJ/2-125, WDZ-DCYJ/3-125 3000V

Nominal Cross-Sectional Area	Conductor Construction	Nominal Insulation Thickness	Maximum Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	mm	kg/km	Ω/km
0.75	24/0.20	1.4	4.3	26	26.7
1.0	32/0.20	1.4	4.5	28	20.0
1.5	48/0.20	1.4	4.8	34	13.7
2.5	77/0.20	1.4	5.3	46	8.21
4	126/0.20	1.4	6.3	64	5.09
6	189/0.20	1.4	7.0	87	3.39
10	322/0.20	1.6	8.5	143	1.95
16	513/0.20	1.6	9.8	203	1.24
25	798/0.20	1.6	11.3	306	0.795
35	1121/0.20	1.6	12.6	416	0.565

Chinese Standard Rolling Stock Cables

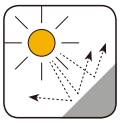
Nominal Cross-Sectional Area	Conductor Construction	Nominal Insulation Thickness	Maximum Overall Diameter	Weight	Maximum Conductor Resistance 20°C
mm²	No/mm	mm	mm	kg/km	Ω/km
50	703/0.30	2.0	15.2	584	0.393
70	999/0.30	2.0	17.4	804	0.277
95	1332/0.30	2.2	19.8	1074	0.210
120	1702/0.30	2.4	21.8	1298	0.164
150	2109/0.30	2.6	24.6	1609	0.132
185	1443/0.40	2.6	26.8	1939	0.108
240	1924/0.40	2.8	30.6	2604	0.0817
300	2368/0.40	2.8	33.4	3177	0.0654

For WDZ-DCYJ, WDZ-DCYJ/2, WDZ-DCYJ/3 type:


Impact Resistant

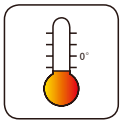

Highly Flexible


UV Resistant


Ozone Resistant


Abrasion Retardant


Cold- resistant


Resistance To Soldering Heat


Acid&Alkaline 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

For WDZ-DCYJ/2 type:


IRM 902
Mineral Oil Resistant

For WDZ-DCYJ/3 type:


IRM 903
Fuel Oil Resistant


IRM 902
Mineral Oil Resistant