

POWER-JZ

PVC, Black Cores, Non-Shielded, 600/1kV



POWER-JZ is a flexible 600/1000v, oil & weather resistant, PVC multi-conductor power and control cable designed for use in all electrical equipment in dry, damp or wet conditions. For use in flexible and stationary applications under medium mechanical stress with free movement without any tensile stress, load or forced movements. Common applications include machine tools, measuring and control systems, air condition installations, conveyor belts, production lines, plant and appliance construction and other electrical applications requiring a greater voltage. Found in steel production plants, power stations, rolling mills, paint spray lines and refrigeration plants. Outdoor installation is permitted due to the black UV-resistant PVC outer jacket.

► Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Special PVC core insulation
- Color code VDE-0293 - black & numbered
- Ground wire in outer layer
- Black PVC outer jacket (RAL 9005)
- "OZ" denotes no ground wire
- *Extremely oil & chemical resistant*

► Technical:

- Working voltage: 600/1000 volts
- Test voltage: 4000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -30° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

► Approvals:

- VDE-0245, 0250, 0281, 0293, 0295
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
18 AWG (24/32) 0,75mm²					
1121802	OZ	2	0.268"	9	42
1131803	**	3	0.295"	15	61
1131804	**	4	0.311"	19	80
1131805	**	5	0.343"	24	90
1131807	**	7	0.386"	34	119
1131812	**	12	0.500"	58	166
1131818	**	18	0.587"	89	235
1131825	**	25	0.697"	121	320
1131834	**	34	0.846"	164	420
1131841	**	41	0.909"	199	492
1131850	**	50	0.996"	241	584
17 AWG (32/32) 1,00mm²					
1121702	OZ	2	0.291"	13	49
1131703	**	3	0.299"	20	66
1131704	**	4	0.323"	26	74
1131705	**	5	0.378"	32	93
1131707	**	7	0.417"	45	120
1131712	**	12	0.539"	77	189
1131718	**	18	0.630"	117	274
1131725	**	25	0.764"	162	380
1131734	**	34	0.925"	219	512
1131741	**	41	1.008"	264	598
1131750	**	50	1.055"	322	722
16 AWG (30/30) 1,50mm²					
1121602	OZ	2	0.335"	20	66
1131603	**	3	0.362"	29	82
1131604	**	4	0.390"	39	101
1131605	**	5	0.437"	48	118
1131607	**	7	0.472"	69	148
1131612	**	12	0.622"	117	276
1131618	**	18	0.748"	173	367
1131625	**	25	0.898"	244	517
1131634	**	34	1.047"	329	668
1131641	**	41	1.071"	405	751
1131650	**	50	1.197"	483	957
14 AWG (50/30) 2,50mm²					
1121402	OZ	2	0.386"	32	95
1131403	**	3	0.409"	48	118
1131404	**	4	0.453"	64	150
1131405	**	5	0.504"	81	170
1131407	**	7	0.598"	113	226



Sizes continued on next page.

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**POWER-JZ Sizes Continued. (14 AWG and Larger)**

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
1131412	12	0.717"	18.2mm	194	370
1131418	18	0.854"	21.7mm	292	530
1131425	25	1.024"	26mm	402	739
12 AWG (56/28) 4,00mm²					
1131203	3	0.496"	12.6mm	77	151
1131204	4	0.551"	14mm	103	211
1131205	5	0.602"	15.3mm	128	270
1131207	7	0.657"	16.7mm	181	352
10 AWG (84/28) 6,00mm²					
1131003	3	0.559"	14.2mm	116	245
1131004	4	0.618"	15.7mm	156	287
1131005	5	0.705"	17.9mm	194	404
1131007	7	0.776"	19.7mm	271	538
8 AWG (80/26) 10,0mm²					
1130804	4	0.728"	18.5mm	256	509
1130805	5	0.807"	20.5mm	325	622
6 AWG (128/26) 16,0mm²					
1130604	4	0.862"	21.9mm	412	738
1130605	5	1.008"	25.6mm	522	1085
4 AWG (200/26) 25,0mm²					
1130404	4	1.071"	27.2mm	649	1089
1130405	5	1.161"	29.5mm	807	1391
2 AWG (280/26) 35,0mm²					
1130204	4	1.173"	29.8mm	900	1612
1 AWG (400/26) 50,0mm²					
1130104	4	1.461"	37.1mm	1295	2282
2/0 AWG (356/24) 70,0mm²					
1132104	4	1.650"	41.9mm	1813	2920
3/0 AWG (485/24) 95,0mm²					
1133104	4	1.906"	48.4mm	2442	4032
4/0 AWG (614/24) 120,0mm²					
1134104	4	2.118"	53.8mm	3088	5033

** Sizes available as POWER-OZ (112) - no ground wire construction