

POWER-JB 0,6/1 kV



POWER-JB 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 and wet conditions. The **Power-JB** construction offers the new European VDE-0293-308 color code including a green/yellow ground wire. For use in flexible or stationary applications under medium mechanical stress with free movement without any tensile stress, loads 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 weather proof UV-resistant PVC outer jacket and cold flexing at -40° Deg C.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Special PVC core insulation
- Color code VDE-0293-308
- For 6 cores and up, use **JB Full Color** chart
- Ground wire in outer layer
- Black PVC outer jacket (RAL 9005)
- "OB" 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: -30° C to +70° C
- Static temp: -40° 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	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm²				
1102002 OB	2	0.244" / 6.2mm	7	38
1112003	3	0.268" / 6.8mm	9	46
1112004	4	0.299" / 7.6mm	13	67
1112005	5	0.323" / 8.2mm	16	78
1112007	7	0.386" / 9.8mm	23	93
1112012	12	0.480" / 12.2mm	39	134
17 AWG (32/32) 1,00mm²				
1101702 OB	2	0.205" / 8.6mm	13	66
1111703	3	0.217" / 9.0mm	19	75
1111704	4	0.244" / 9.6mm	25	88
1111705	5	0.268" / 10.4mm	32	102
1111707	7	0.319" / 11.1mm	45	131
1111712	12	0.390" / 14.0mm	77	192
16 AWG (30/30) 1,50mm²				
1101602 OB	2	0.378" / 9.6mm	19	83
1111603	3	0.398" / 10.1mm	29	97
1111604	4	0.425" / 10.8mm	39	114
1111605	5	0.461" / 11.7mm	46	133
1111607	7	0.496" / 12.6mm	68	175
1111612	12	0.634" / 16.1mm	116	268
14 AWG (50/30) 2,50mm²				
1101402 OB	2	0.425" / 10.8mm	32	99
1111403	3	0.445" / 11.3mm	48	122
1111404	4	0.480" / 12.2mm	64	151
1111405	5	0.524" / 13.3mm	80	178
1111407	7	0.567" / 14.4mm	113	237
1111412	12	0.736" / 18.7mm	193	362
12 AWG (56/28) 4,00mm²				
1111204	4	0.543" / 13.8mm	103	217
10 AWG (84/28) 6,00mm²				
1111004	4	0.594" / 15.1mm	154	296

Sizes continued on next page.

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POWER-JB Sizes Continued. (8 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
8 AWG (80/26) 10,0mm²				
1110804	4	0.736" / 18.7mm	258	474
6 AWG (128/26) 16,0mm²				
1110604	4	0.839" / 21.3mm	412	738
4 AWG (200/26) 25,0mm²				
1110404	4	1.031" / 26.2mm	644	1073
2 AWG (280/26) 35,0mm²				
1110204	4	1.146" / 29.1mm	901	1610
1 AWG (400/26) 50,0mm²				
1110104	4	1.402" / 35.6mm	1288	2280
2/0 AWG (356/24) 70,0mm²				
1112104	4	1.602" / 40.7mm	1835	3387
3/0 AWG (485/24) 95,0mm²				
1113104	4	1.843" / 46.8mm	2447	4031
4/0 AWG (614/24) 120,0mm²				
1114104	4	2.106" / 53.5mm	3091	5030

* Additional sizes may be available.