

9YSLCY-JB

UL/CSA



9YSLCY-JB is a double shielded, large gauge size, UL/CSA/CE approved PVC motor supply cable. Polypropylene insulation over very fine stranded copper provides a low-loss transfer of power, excellent low capacitance performance and superior flexibility when compared to conventional PVC cables. **9YSLCY-JB** applications include frequency converters, motor runs, connections with high electromagnetic interference. Found in the automotive, paper and food industry, environmental technology, packaging industry, machine tools and handling equipment. The overall foil and braid shield offer excellent protection against electromagnetic and electrical interferences. For medium mechanical stresses found indoors in dry, moist and wet areas.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 class.5, IEC 60228 CI-5
- Special polypropylene (PP) core insulation
- Color code VDE-0293-308 (HD 308 S2)
- Ground wire in outer layer
- Aluminum foil wrapping over cores
- 85% tinned copper braid shield
- Special transparent PVC outer jacket
- **Extremely oil & chemical resistant**

Technical:

- Working voltage IEC: 600/1000 volts
- Working voltage UL/CSA: 1000 volts
- Test power voltage: 4000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 4 x Ø
- Flexing temp range: -5° C to +80° C
- Static temp range: -40° C to +80° C
- Flame retardant: IEC 60332.1, VW-1
- Insulation resistance: 200 MΩ x km

Approvals:

- UL AWM 2570 or 20886, VW-1
- CSA AWM I/II A/B, FT-1
- UL/CSA rated 1kV 80 Deg C.
- adapted to VDE 0276, 0250 & 0207
- EMC to EN 55011
- EMC to VDE-0875 part-11
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	LBS/MFT	AMPS
16 AWG (30/30) 1,50mm ² 9041604	4	0.413" / 10.5mm	64	154	18
14 AWG (50/30) 2,50mm ² 9041404	4	0.465" / 11.8mm	101	201	26
12 AWG (56/28) 4,00mm ² 9041204	4	0.524" / 13.3mm	158	325	34
10 AWG (84/28) 6,0mm ² 9041004	4	0.587" / 14.9mm	215	423	44
8 AWG (80/26) 10,0mm ² 9040804	4	0.697" / 17.7mm	358	577	61
6 AWG (128/26) 16,0mm ² 9040604	4	0.846" / 21.5mm	529	865	82
4 AWG (200/26) 25,0mm ² 9040404	4	1.035" / 26.3mm	829	1248	108
2 AWG (280/26) 35,0mm ² 9040204	4	1.169" / 29.7mm	1115	1751	135
1 AWG (400/26) 50,0mm ² 9040104	4	1.343" / 34.1mm	1573	1979	168
2/0 AWG (356/24) 70,0mm ² 9042104	4	1.610" / 40.9mm	2144	2649	207
3/0 AWG (485/24) 95,0mm ² 9043104	4	1.787" / 45.4mm	2895	3555	250
4/0 AWG (614/24) 120,0mm ² 9044104	4	1.961" / 49.8mm	3645	4427	292
300 MCM (765/24) 150,0mm ² 9043004	4	2.209" / 56.1mm	4289	4724	335
350 MCM (944/24) 185,0mm ² 9043504	4	2.417" / 61.4mm	5124	5619	382
500 MCM (1225/24) 240,0mm ² 9045004	4	2.673" / 67.9mm	7418	8149	427