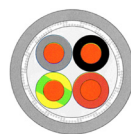


9YSLCY-JB

UL/CSA, PVC, Double Shielded, VFD, 600/1Kv



9YSLCY-JB is a double shielded, large gauge size, UL/CSA/CE approved PVC motor supply cable. Polypropylene insulation over a very fine copper strand 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 tinned copper 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 (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT	AMPS
16 AWG (30/30) 1,50mm²						
9041604	4	0.413"	10.5mm	58	154	18
14 AWG (50/30) 2,50mm²						
9041404	4	0.465"	11.8mm	89	201	26
12 AWG (56/28) 4,00mm²						
9041204	4	0.524"	13.3mm	143	325	34
10 AWG (84/28) 6,0mm²						
9041004	4	0.587"	14.9mm	199	423	44
8 AWG (80/26) 10,0mm²						
9040804	4	0.697"	17.7mm	309	577	61
6 AWG (128/26) 16,0mm²						
9040604	4	0.846"	21.5mm	474	865	82
4 AWG (200/26) 25,0mm²						
9040404	4	1.035"	26.3mm	738	1248	108
2 AWG (280/26) 35,0mm²						
9040204	4	1.169"	29.7mm	1034	1751	135
1 AWG (400/26) 50,0mm²						
9040104	4	1.343"	34.1mm	1480	1979	168
2/0 AWG (356/24) 70,0mm²						
9042104	4	1.610"	40.9mm	2014	2649	207
3/0 AWG (485/24) 95,0mm²						
9043104	4	1.787"	45.4mm	2686	3555	250
4/0 AWG (614/24) 120,0mm²						
9044104	4	1.961"	49.8mm	3426	4427	292
300 MCM (765/24) 150,0mm²						
9043004	4	2.209"	56.1mm	4175	4724	335
350 MCM (944/24) 185,0mm²						
9043504	4	2.417"	61.4mm	5076	5623	382
500 MCM (1225/24) 240,0mm²						
9045004	4	2.673"	67.9mm	6667	8149	427

