

9YSLCYK-JB+3

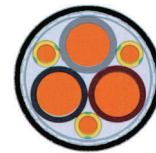
UL/CSA



9YSLCYK-JB+3 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. **9YSLCYK-JB+3** 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. This version substitutes the common single green/yellow ground wire for three (3) symmetrical green/yellow ground wires for improved EMC characteristics. For medium mechanical stresses found indoors in dry, moist and wet areas. The black UV-resistant jacket allows for outdoor use and for direct burial applications.



9YSLCYK-JB+3 1kV 3X95,0 + 3G16 qmm UL/CSA CE



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)
- Three (3) symmetrical green/yellow grounds
- Aluminum foil wrapping over cores
- 85% tinned copper braid shield
- Special black PVC outer jacket (RAL 9005)
- UV-resistant and direct burial approved
- **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	GRND x 3	NOMINAL OD	CU LBS/MFT	LBS/MFT	AMPS
16 AWG (30/30) 1,50mm2 9051603	3	24 AWG	0.449" / 11.4mm	59	94	18
14 AWG (50/30) 2,50mm2 9051403	3	20 AWG	0.508" / 12.9mm	87	148	26
12 AWG (56/28) 4,00mm2 9051203	3	18 AWG	0.535" / 13.6mm	150	217	34
10 AWG (84/28) 6,0mm2 9051003	3	17 AWG	0.598" / 15.2mm	185	282	44
8 AWG (80/26) 10,0mm2 9050803	3	16 AWG	0.685" / 17.4mm	343	413	61
6 AWG (128/26) 16,0mm2 9050603	3	14 AWG	0.787" / 20.0mm	504	549	82
4 AWG (200/26) 25,0mm2 9050403	3	12 AWG	0.957" / 24.3mm	808	889	108
2 AWG (280/26) 35,0mm2 9050203	3	10 AWG	1.083" / 27.5mm	1030	1152	135
1 AWG (400/26) 50,0mm2 9050103	3	8 AWG	1.224" / 31.1mm	1446	1609	168
2/0 AWG (356/24) 70,0mm2 9052103	3	8 AWG	1.461" / 37.1mm	1999	2050	207
3/0 AWG (485/24) 95,0mm2 9053103	3	6 AWG	1.575" / 40.0mm	2651	2792	250
4/0 AWG (614/24) 120,0mm2 9054103	3	6 AWG	1.677" / 42.6mm	3244	3403	292
300 MCM (765/24) 150,0mm2 9053003	3	4 AWG	1.969" / 50.0mm	3630	4110	335
350 MCM (944/24) 185,0mm2 9053503	3	2 AWG	2.189" / 55.6mm	4747	5245	382