



### 9YSLCYK-JB+3

#### Application

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These cables are double shielded, large gauge size 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. The 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. The black UV-resistant jacket allows for outdoor use and for direct burial applications.

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#### Standard

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

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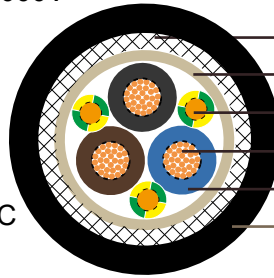
#### Cable construction

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- Stranded bare copper conductor according to DIN VDE 0295, IEC60228 cl. 5
  - Polypropylene (PP) insulation
  - Colours according to HD 308 S2(VDE 0293- 308)
  - Special aluminum foil screening
  - Three symmetrical green/yellow ground wires
  - Tinned copper braiding, coverage approx. 85%
  - Black PVC sheath made of cold-flexible PVC compound DMV5 acc. VDE 0276-603, leadfree, UV resistant, outdoor and direct burial use, flame retardant & self-extinguishing, IEC 60332.1 EEU directives cables conforms to EEC 79/29 directive ( Low Voltage Directive)
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## Technical Characteristics

- Working voltage: IEC 600/1000V / UL & CSA 1000V
- Test voltage: 4000 volts
- Minimum bending radius: 15 x Ø
- Flexing temperature: -5° C to +80° C
- Fixed installation temperature: - 40° C to +80° C
- Flame retardant: IEC 60332.1 VW-1
- Insulation resistance: >20 GΩ x km



- Tinned copper braid
- Aluminum foil screen
- Green/Yellow ground wire
- Bare copper conductor
- PP insulation
- PVC outer jacket

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## Cable Parameter

Conductor AWG	Ground Wire AWG	No. of Cores x Nominal Cross-Section mm <sup>2</sup>	Nominal Overall Diameter mm	Copper Weight kg / km	Cable Weight kg / km
16(30/30)	24	3 X 1.5 + 3 G 0.25	11.4	88	140
14(50/30)	22	3 X 2.5 + 3 G 0.5	12.9	130	220
12(56/28)	20	3 X 4 + 3 G 0.75	13.6	224	323
10(84/28)	18	3 X 6 + 3 G 1.0	15.2	276	420
8(80/26)	16	3 X 10 + 3 G 1.5	17.4	511	615
6(128/26)	14	3 X 16 + 3 G 2.5	20	751	819
4(200/26)	12	3 X 25 + 3 G 4	24.3	1204	1325
2(280/26)	10	3 X 35 + 3 G 6	27.5	1535	1718
1(400/26)	8	3 X 50 + 3 G 10	31.1	2156	2399
2/0(356/24)	8	3 X 70 + 3 G 10	37.1	2980	3056
3/0(485/24)	6	3 X 95 + 3 G 16	40	3953	4162
4/0(614/24)	6	3 X 120 + 3 G 16	42.6	4836	5074
300 MCM (765/24)	4	3 X 150 + 3 G 25	50	5412	6128
350 MCM (944/24)	2	3 X 185 + 3 G 35	55.6	7077	7820