



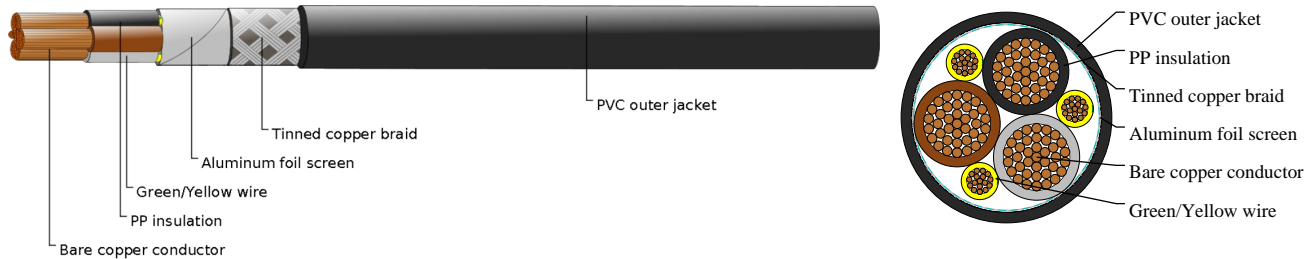
Caledonian

Motor Connecting Cables

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9YSLCYK-JB+3 3x120+3G16



APPLICATIONS

These cables are 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. 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.

STANDARDS

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

VOLTAGE RATING

IEC 600/1000V / UL & CSA 1000V

CABLE CONSTRUCTION

- 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)

COLOUR CODE

Insulation Colour Code



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Colours according to HD 308 S2(VDE 0293- 308)

4 cores (G) - Green-Yellow + Brown + Black + Grey

PHYSICAL AND THERMAL PROPERTIES

- 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

DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	AWG Size	Ground Wire	Nom. Overall Diameter	Nominal Copper Weight	Approx. Weight
No.×mm ²		AWG	mm	kg/km	kg/km
3x120+3G16	4/0(614/24)	6	42.6	4836	5074