

Marine Power Cable — Commercial Vessel & Port Infrastructure

600V – 35kV | Flexible Marine Grade | ABS / DNV / Lloyd's Register Certified

PRODUCT OVERVIEW

Mirabel Energy USA marine power cable delivers certified electrical power distribution solutions for commercial vessel propulsion systems, deck machinery, hotel loads, port shore power connections, and marine terminal infrastructure. Designed to meet the demanding combination of salt spray corrosion, UV exposure, mechanical flexing, vibration, fuel and lubricant contact, and the stringent fire performance requirements imposed by classification societies on all marine electrical systems. Marine power cables are engineered per IEC 60092 Part 353 (single-core non-armored), Part 354 (single-core armored), and Part 376 (multi-core) — with classification society type approval from ABS (American Bureau of Shipping), DNV (Det Norske Veritas), Lloyd's Register, and Bureau Veritas available. Available in 600V through 35kV voltage classes, with flexible EPR or XLPE insulation and moisture-resistant EPR or CSPE jacket for optimum performance in continuously marine-exposed environments.

600V – 35kV Voltage Range	90°C Temperature Rating	Salt/UV Resistant Jacket Grade	ABS / DNV / LR Classification
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APPLICATIONS

- Vessel main propulsion motor power cable and drive connections
- Ship service generator output and switchboard bus cable
- Deck machinery — windlass, winch, crane, and thruster power cable
- Shore power receptacle cable — cold ironing and port power systems
- Marine terminal overhead crane and gantry crane power supply
- Offshore supply vessel (OSV) deck power distribution

KEY SPECIFICATIONS

- IEC 60092 Part 353/354/376 — classification society type approved
- Available 600V through 35kV (MV marine class) voltage ratings
- EPR or XLPE insulation — flexible, moisture and salt-resistant
- EPR or CSPE outer jacket — oil, fuel, UV, and seawater resistant
- Armored (SWA or interlocked Al) and unarmored constructions
- Tinned copper conductors standard — maximizes salt air corrosion resistance
- ABS, DNV, Lloyd's Register, and Bureau Veritas type approvals available
- Flexible multi-core constructions for deck machinery and portable use

TECHNICAL SPECIFICATIONS

Parameter	LV Marine (600V)	MV Marine (6kV–35kV)
Voltage Rating	600V	6kV – 35kV
Temperature Rating	90°C	90°C
Insulation	EPR or XLPE	EPR or XLPE
Jacket	EPR or CSPE	EPR or CSPE
Aarmor	SWA or unarmored	SWA standard
Class Society	ABS / DNV / LR / BV	ABS / DNV / LR / BV
Standard	IEC 60092	IEC 60092

CONDUCTOR SIZES & CONFIGS #8 AWG – 1000 kcmil 1/C and multi-conductor Armored and unarmored	STOCKING LOCATIONS Reno, NV · Houston, TX Standard & project-phased delivery	OEM REPRESENTATIVE GCP Energy LLC — Salt Lake City, UT portal.gcpenergy.us
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