

# Offshore Platform Cable — Oil, Gas & Renewable Energy

600V – 35kV | Fixed & Floating Platforms | UV · Salt · HC Resistant | IEC 60092 / API

## PRODUCT OVERVIEW

Mirabel Energy USA offshore platform cable is purpose-engineered for the uniquely severe combination of electrical, mechanical, and chemical demands encountered on fixed and floating offshore oil and gas platforms, FPSOs, jack-up drilling rigs, semi-submersibles, and offshore renewable energy installations. Offshore platform cables must simultaneously withstand continuous UV and salt spray exposure on topsides, hydrocarbon contamination from drilling fluids and produced fluids, mechanical damage from equipment traffic and dropped objects, vibration from machinery and wave loading, and stringent fire performance requirements in hazardous area-adjacent installations. API RP 14F (Recommended Practice for Design, Installation, and Maintenance of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities) is the primary North American offshore electrical standard, supplemented by IEC 60092 for international platform projects. Available in power, control, and instrumentation cable types with LSZH, mud-resistant, and hydrocarbon-resistant jacket formulations to meet specific platform zone requirements.

<b>600V – 35kV</b> Voltage Range	<b>Hydrocarbon Resistant</b> Jacket Grade	<b>LSZH / Mud-Resistant</b> Fire Performance	<b>API RP 14F</b> Offshore Standard
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## APPLICATIONS

- Fixed platform topsides power distribution — LV and MV
- FPSO and semi-submersible power, control, and instrumentation cable
- Drilling rig MCC, VFD, and motor power cable (jack-up and semi-sub)
- Offshore wind turbine foundation and array cable (jacket/monopile)
- Tidal and wave energy device power export and control cable
- Subsea control umbilical companion cable — platform to wellhead

## KEY SPECIFICATIONS

- API RP 14F and IEC 60092 compliant — offshore platform type approval
- LSZH jacket — reduced toxicity and smoke in enclosed platform modules
- Mud-resistant and hydrocarbon-resistant jacket variants for drill floor use
- Available 600V through 35kV (LV and MV offshore power distribution)
- Armored (SWA or interlocked AI) for mechanical protection in cable trays
- Sunlight and UV resistant jacket — rated for continuous topside exposure
- Instrument cable: IS + OS shielded pairs for SCADA and safety system wiring
- ABS, DNV, and Lloyd's Register type approval available

## TECHNICAL SPECIFICATIONS

Parameter	Topsides Power	Instrument / Control
Voltage Rating	600V – 35kV	300V – 600V
Jacket Type	LSZH / HC resistant	LSZH / HC resistant
Insulation	XLPE or EPR	XLPE
Armor	SWA (standard)	SWA or unarmored
UV Resistance	Yes (topside rated)	Yes (topside rated)
API Standard	API RP 14F	API RP 14F
Class Society	ABS / DNV / LR	ABS / DNV / LR

<b>CONDUCTOR SIZES &amp; CONFIGS</b> #14 AWG – 750 kcmil   Power, control, instrumentation   SWA armored   LSZH	<b>STOCKING LOCATIONS</b> Reno, NV · Houston, TX Standard & project-phased delivery	<b>OEM REPRESENTATIVE</b> GCP Energy LLC — Salt Lake City, UT portal.gcpenergy.us
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