

Shell Exploration & Production

Extension Cords

Keith Gonzales / November 2014



Regulatory Requirements

- API RP 14F – Design, Installation and Maintenance of Electrical Systems
 - Extension Cords 12.5 (Also OPS0175 Sec 2.2.5 and NEC 501.145)
 - Temporary Use
 - Include Grounding Conductor
 - Matching plug and receptacle (Hazardous rated or not)
 - Extra-hard usage (Section 6.4.5 Cords) (SOOW)

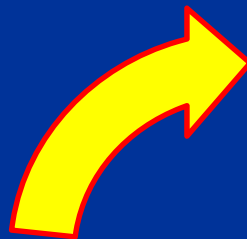
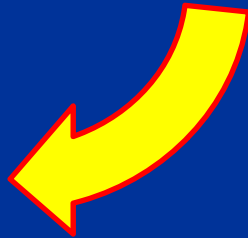
Regulatory Requirements (continued)

- 12.3 Electrical Tools – Adapter Cord
 - Explosion proof plug and non-explosion proof receptacle
 - Not more than 2 feet long

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Make Up – Extension Cord (Outdoor Use)

- Class 1 Division 2 Plug (Appleton ECP2023)



- C1D2 Receptacle (Killark UGRC)

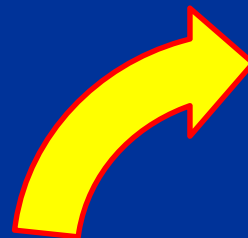
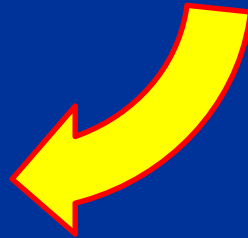
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REMEMBER

2' Maximum

Make Up – Adapter Cord

- Class 1 Division 2 Plug (Appleton ECP2023)



- Adapter cord can use the unclassified female receptacle (Leviton 5269C or equivalent)

Maintenance

- Quarterly Inspection
 - Quarterly inspection and labeling of all extension cords and powered hand tools, by AEP2
 - Cords shall be in good condition, with no substantial abrasions, exposed metal conductors, no electrical tape repairs, no splices, must have the ground conductor and pins, no altered pins, etc



EQUIPMENT INSPECTED

(Valid for 3 Months)

Date: / /

Inspector Initials

Maintenance

- **Before Each Use**
 - Cords shall be inspected for good condition, with no substantial abrasions, exposed metal conductors, no electrical tape repairs, no splices, must have the ground conductor and pins, no altered pins, etc

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Installation

- Protected from physical damage
- Not in walkways, Shall not be a trip hazard
- Support raised cables every 15 feet
- When run through doors, prevent door closure damage and address any hazardous location issues

Installation (continued)

- No alteration of cords allowed (splicing, removal of ground pin, filing blades), etc
- Receptacles are located often around the deck, so that no more than a 100' extension cord should be needed.

Installation (continued)

- GFCI protection is provided on outdoor receptacles. If one is found without this protection, the Corrective Maintenance request shall be entered to correct this.
- Other power source receptacles, especially welding machine receptacles are not allowed.

Installation (continued)

- Power strips and other unclassified adapters may only be used at the job site under a Hot Work Type 2 (Gas Free) work permit.

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Electrical Engineering Support

- Keith Gonzales x6514 – TA
- Blake Cado x6950 – Auger, Ram Powell
- Paul Goodman x8661 – Brutus, Enchilada, Salsa
- Ben Favrot x4980 – Ursa, Olympus
- George Massey x8656 – Mars, WD-143
- Sean Vining x3072 – Perdido, Vitto
- Candice Nunez x8055 - Well Servicing, P&A, Drilling, Ship Shoal, Brazos, ST-300/301
- Perry Scioneaux x4589 – Inspections

[Electrical SharePoint Site](#)

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Q&A