

IEEE 1580 Type P MOR® Polyrad® XT-125, Unarmored



Flexible Multi-Conductor Low-Voltage Power
18 AWG & 16 AWG 600 V/1000 V



Product Construction:

1. Conductor:

- 18 AWG and 16 AWG soft annealed tinned copper flexible strand

2. Insulation:

- Polyrad® XT-125 Irradiated Cross-linked Polyolefin (XLPO)
- Color Code: Per IEEE 1580 Table 22

3. Cable Core:

- Cabled with fillers when required
- Core binder tape when required

4. Sheath:

- Mud Oil-Resistant, Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)

5. Print: (Including but not limited to)

- MOR® POLYRAD® XT-125 (UL) E85994 BR782 110C XX/C XXAWG TC-ER¹-HL² RFHH-2 -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR DIR BUR 600/1000 V -- IEC 1 KV 60332.3A IEEE 1580 TYPE P (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK

¹ ER for 3 conductors or more

² HL for 3 conductors or more and O.D. of 1.00" or less

6. Option:

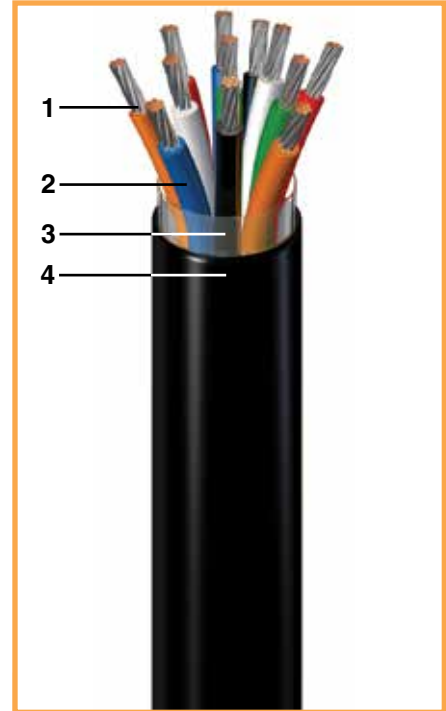
- Other color codes available upon request

Applications:

- Offshore oil and gas drilling platforms, MODUs, ships and FPSOs
- Land-based oil and gas drilling rigs
- Suitable for use in Class I, Division 2 and Zone 2 environments when installed in accordance with API-RP14F or NEC Article 501
- TC-ER-HL is suitable for use in Class 1, Division 1 and Zone 1 environments when installed in accordance with API-RP14F or NEC Article 501

Features:

- Meets NEK 606 mud oil resistance requirements with ester-based muds
- Meets UL 2225 crush and impact requirements of Type MC-HL cables
- Permitted for Exposed Run "ER" (open wiring) use in accordance with NEC for 3 conductors or more
- Permitted for Exposed Run, Hazardous Location "ER-HL" use in accordance with NEC for 3 conductors or more and O.D. of 1.00" or less
- Flexible stranding to facilitate ease of cable installation and termination
- Temperature rated @ 125°C for long life, higher ampacities and protection from thermal overloads
- Meets cold bend test at -55°C
- Meets cold impact test at -40°C



Compliances:

Industry:

- API-RP14F
- CSA C22.2 No. 245 Type X110
- IEEE 1580-2010 Type P
- IEC 60092-350
- Mud oil-resistant
- UL 1309 Type X110
- UL Listed 110°C Marine Shipboard Cable
- UL 2225 Type TC-ER-HL

Flame Test:

- IEEE 1202
- IEC 60332-3-22 Cat. A (supersedes IEC 60332-3A)
- CSA C22.2 No. 0.3 FT4



Offshore and
Onshore RIG
Cables

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Flexible Multi-Conductor Low-Voltage Power Unarmored, 18 AWG & 16 AWG 600 V/1000 V

358930	3	16	0.380	9.65	22	33	82	122	15	16	17	18
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Note: Color Code - Black, White and Green. Dimensions and weights are nominal; subject to industry tolerances.
¹Reference Ampacity section