



Offshore and  
Onshore RIG  
Cables

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



Flexible Multi-Conductor Power  
Unarmored, 14 AWG, 12 AWG & 10 AWG 600  
V/1000 V



## Product Construction:

### 1. Conductor:

- 14 AWG thru 10 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-ER<sup>1</sup>-HL<sup>2</sup> XHHW -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR DIR BUR 600/1000 V 600 V RW90 XLPE TC -- IEC 1 KV 60332.3A IEEE 1580 TYPE P (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK

<sup>1</sup> ER for 3 conductors or more

<sup>2</sup> 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. 38 Type RW90
- CSA C22.2 No. 230 Type TC
- 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



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# IEEE 1580 Type P MOR<sup>®</sup> Polyrad<sup>®</sup> XT-125, Unarmored



Flexible Multi-Conductor Low-Voltage Power  
Unarmored, 14 AWG, 12 AWG & 10 AWG  
600 V/1000 V



CATALOG NUMBER	# OF CORES	COND. SIZE (AWG)	NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITIES <sup>1</sup> 45°C AMBIENT-SINGLE BANKED			
			INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
<b>272160</b>	3	14	0.410	10.41	35	52	107	159	24	25	27	28
<b>272150</b>	3	12	0.445	11.30	53	79	138	205	30	31	33	37
<b>354840</b>	3	10	0.515	13.08	101	150	211	314	39	41	44	49

Note: Color Code - Black, White and Green. Dimensions and weight are nominal; subject to industry tolerances.  
<sup>1</sup>Reference Ampacity section