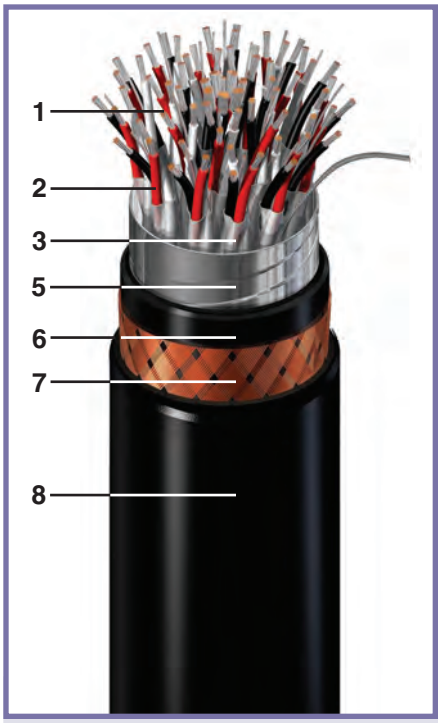
# IEEE 1580 Type P MOR® Polyrad® XT-125 Armored & Sheathed

## Flexible Triad Signal Cable Individually/Overall Shielded Armored & Sheathed

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: Black, white and red with printed numbers
3. **Individually Shielded Triads:**
   - Aluminum/polymer tape and tinned copper drain wire
4. **Cable Core:**
   - Core binder tape when required
5. **Overall Shield:**
   - Overall aluminum/polymer tape with tinned copper drain wire
6. **Jacket:**
   - Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)
7. **Armor:**
   - Bronze braid 88% minimum coverage
8. **Sheath:**
   - Mud Oil-Resistant, Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)
9. **Print:** (Including but not limited to)
   - MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/TRI XXAWG -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR 600/1000 V -- IEC 60332.3A IEEE 1580 TYPE P (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK




### 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 1 and Zone 1 Hazardous Locations when installed in accordance with API-RP14F

### Features:

- Meets NEK 606 mud oil resistance requirements with ester-based muds
- Meets UL 2225 crush and impact requirements of Type MC-HL cables
- 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

**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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INS-0067-0414

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| CATALOG NUMBER | # OF TRIADS | COND. SIZE (AWG) | NOMINAL CABLE DIAMETER | | COPPER WEIGHT | | NET WEIGHT | | AMPACITIES[1] 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 |
| **358660** | 1 | 18 | 0.555 | 14.10 | 22 | 33 | 198 | 295 | 11 | 12 | 13 | - |
| **358670** | 2 | 18 | 0.780 | 19.81 | 48 | 71 | 381 | 567 | 8 | 9 | 10 | - |
| **358680** | 3 | 18 | 0.810 | 20.57 | 71 | 106 | 412 | 613 | 7 | 8 | 9 | - |
| **358690** | 4 | 18 | 0.915 | 23.24 | 93 | 138 | 504 | 750 | 5 | 6 | 7 | - |
| **358700** | 5 | 18 | 0.985 | 25.02 | 113 | 168 | 576 | 857 | 5 | 6 | 7 | - |
| **358710** | 6 | 18 | 1.090 | 27.69 | 137 | 204 | 687 | 1022 | 5 | 6 | 7 | - |
| **358720** | 7 | 18 | 1.090 | 27.69 | 160 | 238 | 713 | 1061 | 4 | 5 | 6 | - |
| **358730** | 8 | 18 | 1.165 | 29.59 | 182 | 271 | 787 | 1171 | 4 | 5 | 6 | - |
| **358740** | 12 | 18 | 1.350 | 34.29 | 271 | 403 | 1018 | 1515 | 4 | 5 | 6 | - |
| **358750** | 16 | 18 | 1.485 | 37.72 | 360 | 536 | 1210 | 1800 | 3 | 4 | 5 | - |
| **358760** | 1 | 16 | 0.570 | 14.48 | 38 | 57 | 212 | 315 | 15 | 16 | 17 | 25 |
| **358770** | 2 | 16 | 0.810 | 20.57 | 61 | 91 | 411 | 612 | 12 | 13 | 14 | 22 |
| **358780** | 3 | 16 | 0.885 | 22.48 | 88 | 131 | 483 | 719 | 11 | 12 | 13 | 18 |
| **358790** | 4 | 16 | 0.945 | 24.00 | 116 | 173 | 549 | 817 | 8 | 9 | 10 | 14 |
| **358800** | 5 | 16 | 1.020 | 25.91 | 143 | 213 | 633 | 942 | 8 | 9 | 10 | 14 |
| **358810** | 6 | 16 | 1.135 | 28.83 | 171 | 254 | 753 | 1120 | 8 | 9 | 10 | 14 |
| **358820** | 7 | 16 | 1.135 | 28.83 | 200 | 298 | 788 | 1173 | 7 | 8 | 9 | 13 |
| **358830** | 8 | 16 | 1.210 | 30.73 | 227 | 338 | 871 | 1296 | 7 | 8 | 9 | 13 |
| **358840** | 12 | 16 | 1.415 | 35.94 | 337 | 501 | 1122 | 1670 | 6 | 7 | 8 | 9 |
| **358850** | 16 | 16 | 1.545 | 39.24 | 448 | 667 | 1360 | 2024 | 5 | 6 | 7 | 9 |

Note: Dimensions and weights are nominal; subject to industry tolerances.
[1]Reference Ampacity section



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