



Offshore and
Marine Shipboard
Cables

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



Flexible Triad Signal Cable Individually/Overall Shielded Armored & Sheathed 600V/1000V



Product Construction:

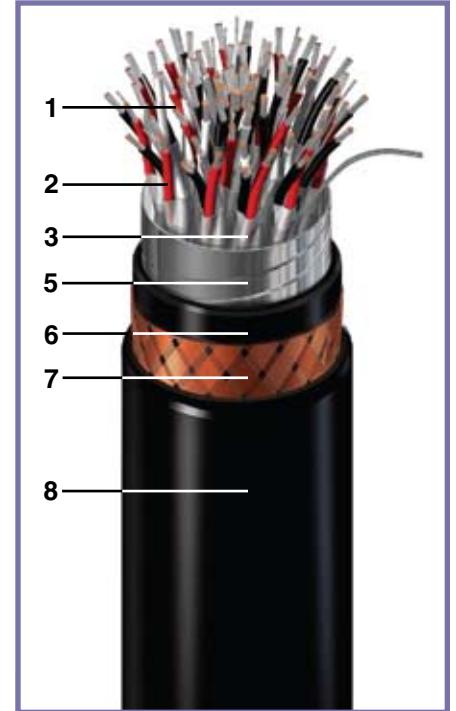
- 1. Conductor:**
 - 18 AWG and 16 AWG soft annealed tinned copper flexible strand
- 2. Insulation:**
 - Polyrad® XT-125 Irradiated Cross-Linked Polyolefin (XLPO)
 - Color Code: Black, white and red with printed numbers
- 3. Individually Shielded Triads:**
 - Aluminum/polymer tape and tinned copper drain wire
- 4. Cable Core:**
 - Core binder tape when required
- 5. Overall Shield:**
 - Overall aluminum/polymer tape with tinned copper drain wire
- 6. Sheath:**
 - Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
- 7. Armor:**
 - Bronze braid 88% minimum coverage
- 8. Sheath:**
 - Mud Oil Resistant, Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
- 9. Print:** (Including but not limited to)
 - MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/TRI XXAWG OR (CSA) 245/1309 FT4 -40C SR 600/1000V OR 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 environments

Features:

- Meets NEK 606 mud oil resistance requirements including 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 Type P
- IEC 60092-3
- NEK 606 for mud oil resistance
- UL 1309 Type X110
- UL Listed 110°C Marine Shipboard Cable

Flame Test:

- IEEE 383
- IEEE 1202
- IEC 60332-3-22 Cat. A (supersedes IEC 60332-3A)
- CSA C22.2 No. 0.3 FT4



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| CATALOG NUMBER (T-75201) | # OF TRIADS | COND. SIZE (AWG) | NOMINAL CABLE DIAMETER | | NET WEIGHT | | AMPACITIES ¹ 45°C AMBIENT-SINGLE BANKED | | | |
|--------------------------|-------------|------------------|------------------------|-------|-------------|-------|--|-------|-------|-------|
| | | | INCHES | mm | LBS/1000 FT | kg/km | 95°C | 100°C | 110°C | 125°C |
| 358660 | 1 | 18 | 0.560 | 14.22 | 235 | 350 | 11 | 12 | 13 | - |
| 358670 | 2 | 18 | 0.790 | 20.07 | 396 | 589 | 8 | 9 | 10 | - |
| 358680 | 3 | 18 | 0.828 | 21.03 | 460 | 685 | 7 | 8 | 9 | - |
| 358690 | 4 | 18 | 0.927 | 23.55 | 582 | 786 | 5 | 6 | 7 | - |
| 358700 | 5 | 18 | 0.996 | 25.30 | 667 | 993 | 5 | 6 | 7 | - |
| 358710 | 6 | 18 | 1.068 | 27.13 | 754 | 1122 | 5 | 6 | 7 | - |
| 358720 | 7 | 18 | 1.068 | 27.13 | 799 | 1189 | 4 | 5 | 6 | - |
| 358730 | 8 | 18 | 1.155 | 29.34 | 826 | 1229 | 4 | 5 | 6 | - |
| 358740 | 12 | 18 | 1.350 | 34.29 | 1187 | 1766 | 4 | 5 | 6 | - |
| 358750 | 16 | 18 | 1.475 | 37.47 | 1294 | 1926 | 3 | 4 | 5 | - |
| 358760 | 1 | 16 | 0.575 | 14.61 | 251 | 374 | 15 | 16 | 17 | 25 |
| 358770 | 2 | 16 | 0.819 | 20.80 | 428 | 637 | 12 | 13 | 14 | 22 |
| 358780 | 3 | 16 | 0.859 | 21.82 | 502 | 747 | 11 | 12 | 13 | 18 |
| 358790 | 4 | 16 | 0.962 | 24.43 | 637 | 948 | 8 | 9 | 10 | 14 |
| 358800 | 5 | 16 | 1.035 | 26.29 | 734 | 1092 | 8 | 9 | 10 | 14 |
| 358810 | 6 | 16 | 1.220 | 30.99 | 971 | 1445 | 8 | 9 | 10 | 14 |
| 358820 | 7 | 16 | 1.220 | 30.99 | 1024 | 1524 | 7 | 8 | 9 | 13 |
| 358830 | 8 | 16 | 1.298 | 32.97 | 1133 | 1686 | 7 | 8 | 9 | 13 |
| 358840 | 12 | 16 | 1.512 | 37.95 | 1503 | 2237 | 6 | 7 | 8 | 9 |
| 358850 | 16 | 16 | 1.648 | 41.86 | 1819 | 2707 | 5 | 6 | 7 | 9 |

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