

Anixter Item #: 12G-1604POS

ShawFlex Item #: ST022M160410000

300V TP0(IS-OS)TT-04, IEEE MARINE SHIPBOARD CABLE

4PR 16AWG 7W TINNED COPPER, FR PVC Insulation , Individual and Overall Aluminium/Mylar Tape Shielding

FR PVC Jacket

Suitable for use in 75C Wet/Dry

ABS & Transport Canada approved

| Specification Reference | | IEEE 45 | |
|---|---|---------|-----------|
| Electrical Characteristics | | | |
| Voltage Class (volts): | 300 | | |
| Max. DC Conductor Res. (ohms/Mft @25C): | 4.722 | (15.49 | ohms/km) |
| Capacitance(cond to cond)(pF / ft): | 49.1 | (161.2 | pF / mt) |
| Capacitance (cond to shield)(pF / ft): | 91.9 | (301 | pF / mt) |
| Ampacity @ 30C (amps)*: | 9 | | |
| Inductive Reactance (Ohms/1000ft): | 0.038 | (0.12 | ohms/Km) |
| Characteristic Impedance (Ohms): | 46.5 | | |
| Construction Specifications | | | |
| Type of Conductor Stranding: | 16AWG 7W TINNED COPPER (Concentric) | | |
| ASTM Standard (Conductor): | ASTM B8 & ASTM B33 | | |
| Diameter of Conductor (in): | 0.058 | (1.47 | mm) |
| Conductor Insulation Type: | FR PVC | | |
| Insulation Thickness (in): | 0.025 | (0.64 | mm) |
| Nominal Insulated Wire Diameter (in): | 0.110 | (2.79 | mm) |
| Pair Identification: | Black & White Number Coded | | |
| Pair Twists per foot: | 4.41 | (14.48 | m) |
| Ind. Component Shield Type: | 7/8" X 1.35 MIL FOIL FREE AL/MYLAR Tape | | |
| Ind. Component Shield Drain Wire Size: | 18AWG 7W TINNED COPPER | | |
| Overall Separator Type: | Clear Mylar Tape (1mil thick) | | |
| Type of Overall Shielding Tape: | 1.5" X 1.35 MIL STR-EDGE AL/MYLAR Tape | | |
| Overall Shielding Drain Wire Size: | 20 AWG 7W TINNED COPPER | | |
| Jacket Type & Colour: | 90C -40C FR PVC, BLACK | | |
| Average Outer Jacket Thickness (in): | 0.060 | (1.52 | mm) |
| Nominal Overall OD of Cable (in): | 0.629 | (16.0 | mm) |
| Jacket Identification: | SHAWFLEX ST 4PR 16AWG TP0(IS-OS)TT-04 300V (-35C) MARINE SHIPBOARD CABLE ANSI/IEEE Std 1580-2001 ETL LISTED 111525 MADE IN CANADA ST022M160410000 (mo#) (month year) (sequential metre marking every 1 metre) | | |
| Physical Characteristics | | | |
| Cable Weight (lbs/Mft): | 223 | (332 | kg/km) |
| Max. Pulling Tension (Pulling Eye) (lbs): | 165 | (75 | kg) |
| Max. Pulling Tension (Cable Grip) (lbs): | 107 | (49 | kg) |
| Min. Bending Radius: Permanent (in): | 7.5 | (192 | mm) |
| Min. Bending Radius: Pull (in): | 11.3 | (288 | mm) |
| Max. Conductor Temperature (C): | 75C | | |
| Recommended Min. Install Temp. (C): | -10C | | |
| Copper Content(lbs/Mft): | 90.0 | (133.9 | kg/km) |
| Flame Propagation Test Rating: | CSA FT-4, IEC 60332-3 Category 'A' | | |
| Additional Ratings: | -35C Cold Impact, -40C Cold Bend | | |

* Ampacity value based on IEEE Standard 45, Table-9-1. Values are corrected according to Table-9-1 for number of Conductors.

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