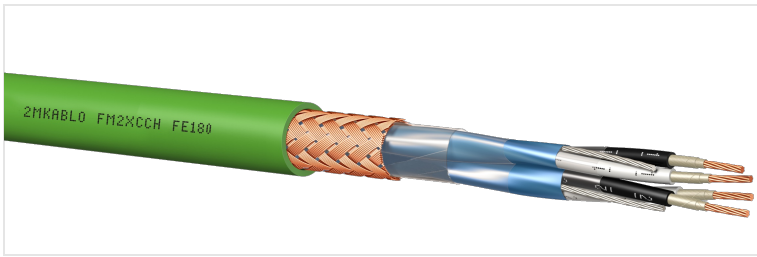
# FM2XCCH FE180




## Areas of Use

Used for communication and instrumentation purpose in electronic systems of marine vehicles. Screening layer protects the transmitting signal against electromagnetic interferences. Halogen-Free and Flame Retardant construction ensure non-corrosive and highly visible environment during a fire. Also, min.180 minutes of circuit integrity under fire conditions is achieved by its special design.

## Cable Construction

| | |
|---|---|
| **Conductor** | Stranded Annealed Copper (IEC/EN 60228, Class 2) (tinned copper and/or Class 5 versions are available upon request) |
| **Flame Barrier** | Mica Tape |
| **Insulation** | XLPE (IEC 60092-360) |
| **Core Colors** | Pair: Black / White, Numbered Quad: Black / White / Red / Blue, Numbered |
| **1. Separator** | PET Foil |
| **Individual Screen** | Al-PET Foil (with Tinned Copper Drain Wire) |
| **2. Separator** | PET Foil |
| **Lay-up** | Shielded pairs / triples are stranded in layers |
| **Separator** | PET Foil (HFFR filler upon request) |
| **Overall Screen** | Annealed Copper Wire Braiding (90% Coverage) |
| **Outer Sheath** | HFFR (IEC 60092-360 SHF1), RAL 6018 - Green |
| **Reference Standards** | IEC 60092-376 |

## Technical Properties

| | |
|---|---|
| **Operating Voltage** | 150/250 (300) V |
| **Test Voltage** | 1.5 kV (a.c) 3.6 kV (d.c) |
| **Conductor Resistance** | IEC/EN 60228 |
| **Insulation Resistance** | >5000 M.Ωxkm |
| **Temperature Range** | -40 °C.....+90 °C |
| **Flame Retardancy** | IEC/EN 60332-1-2, IEC/EN 60332-3-22 (CAT A) |
| **Fire Resistance** | IEC 60331-21 |
| **Smoke Density** | IEC/EN 61034-1+2 |
| **Amount of Halogen Acid Gas** | IEC/EN 60754-1 |
| **Corrosive Gases Measurement** | IEC/EN 60754-2 |
| **Min. Bending Radius (Fixed)** | 8 x Cable Diameter |

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