FM2XCSH 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
Inner Sheath	HFFR
Overall Screen	Galvanised Steel Wire Braid
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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