FM2XAACH 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	AI-PET Foil (with Tinned Copper Drain Wire)
2. Separator	PET Foil
Lay-up	Shielded pairs / triples are stranded in layers
Separator	PET Foil
1. Overall Screen	AI-PET Foil (with Tinned Copper Drain Wire)
Separator	PET Foil (HFFR filler upon request)
2. Overall Screen	Annealed Copper Wire Braid (90% Coverage)
Outer Sheath	HFFR (IEC 60092-360 SHF1), RAL 6018 - Green
Reference Standards	IEC 60092-376

Technical Properties

Operating Voltage150/250 (300) VTest Voltage1.5 kV (a.c) 3.6 kV (d.c)Conductor ResistanceIEC/EN 60228Insulation Resistance>5000 M.ΩxkmTemperature Range-40 °C+90 °CFlame RetardancyIEC/EN 60332-1-2, IEC/EN 60332-3-22 (CAT A)Fire ResistanceIEC 60331-21Smoke DensityIEC/EN 61034-1+2Amount of Halogen Acid GasIEC/EN 60754-1Corrosive Gases MeasurementIEC/EN 60754-2Min. Bending Radius (Fixed)8 x Cable Diameter		
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	Operating Voltage	150/250 (300) V
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	Test Voltage	1.5 kV (a.c) 3.6 kV (d.c)
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	Conductor Resistance	IEC/EN 60228
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	Insulation Resistance	>5000 M.Ωxkm
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	Temperature Range	-40 °C+90 °C
Smoke Density IEC/EN 61034-1+2 Amount of Halogen Acid Gas IEC/EN 60754-1 Corrosive Gases Measurement IEC/EN 60754-2	Flame Retardancy	IEC/EN 60332-1-2, IEC/EN 60332-3-22 (CAT A)
Amount of Halogen Acid Gas IEC/EN 60754-1 Corrosive Gases Measurement IEC/EN 60754-2	Fire Resistance	IEC 60331-21
Corrosive Gases Measurement IEC/EN 60754-2	Smoke Density	IEC/EN 61034-1+2
	Amount of Halogen Acid Gas	IEC/EN 60754-1
Min. Bending Radius (Fixed) 8 x Cable Diameter	Corrosive Gases Measurement	IEC/EN 60754-2
	Min. Bending Radius (Fixed)	8 x Cable Diameter

30.10.2025 4:17

Legal Warning: The information in this catalog is for marketing purposes. 2M Kablo can change this catalog during product development and any requirements. 2M Kablo can always change designs, technical specifications, images and other informations in this catalog without any notice. This catalog is only a guide and is valid at the time of download, not valid for an offer or contract.

If you need more information about the products in this catalog, please contact us via info@2mkablo.com or call +90 (212) 222 8250.