MGCH FE180



Areas of Use

Used as fixed installation cable in marine vehicles. Screening layer forms a shield for protection against electromagnetic interferences. Halogen Free and Flame Retardant construction ensures non-corrosive and highly visible environment during fire. In addition, min.180 minutes of circuit integrity under fire conditions is achieved by its special design.

Cable Construction

Flame Barrier	Mica Tape
Insulation	HEPR (IEC 60092-360)
Core Colors	According to HD 308 S2 (# of Cores ≥5 => White numbered)
Lay-up	Cores 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 60092-353
Conductor	Stranded Annealed Tinned Copper (IEC 60228, Class 2)

Technical Properties

Operating Voltage	0.6/1 (1.2) kV
Test Voltage	3.5 kV (a.c.) 8.4 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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