

## M2XSH 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 a fire. Also, min. 180 minutes of circuit integrity under fire conditions is achieved by its special design.

### Cable Construction

<b>Conductor</b>	Stranded Annealed Copper (IEC/EN 60228, Class 2) (tinned copper and/or Class 5 versions are available upon request)
<b>Flame Barrier</b>	Mica Tape
<b>Insulation</b>	XLPE (IEC 60092-360)
<b>Core Colors</b>	According to HD 308 S2 (# of Cores $\geq 5$ => White numbered)
<b>Lay-up</b>	Cores are stranded in layers
<b>Inner Sheath</b>	HFFR
<b>Overall Screen</b>	Galvanised Steel Wire Braid
<b>Outer Sheath</b>	HFFR (IEC 60092-360 SHF1), RAL 6018 - Green
<b>Reference Standards</b>	IEC 60092-353

### Technical Properties

<b>Operating Voltage</b>	0.6/1 (1.2) kV
<b>Test Voltage</b>	3.5 kV (a.c.) 8.4 kV (d.c)
<b>Conductor Resistance</b>	IEC/EN 60228
<b>Insulation Resistance</b>	>5000 M. $\Omega$ xkm
<b>Temperature Range</b>	-40 °C.....+90 °C
<b>Flame Retardancy</b>	IEC/EN 60332-1-2, IEC/EN 60332-3-22 (CAT A)
<b>Fire Resistance</b>	IEC 60331-21
<b>Smoke Density</b>	IEC/EN 61034-1+2
<b>Amount of Halogen Acid Gas</b>	IEC/EN 60754-1
<b>Corrosive Gases Measurement</b>	IEC/EN 60754-2
<b>Min. Bending Radius (Fixed)</b>	8 x Cable Diameter

**11.07.2026 1:18**

**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](mailto:info@2mkablo.com) or call +90 (212) 222 8250.