



CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed sector shaped copper wire to IEC 60228 Class 5 SM (Tinned on request)
Fire Barrier	Mica tape.
Insulation	Cross linked polyethylene compound (XLPE).
Inner Covering	Separating foil
Screen	Electrolytic copper braided screen (min 90 % coverage) (Tinned copper wire braid on request)
Outer sheath	Halogen-free, flame retardant and fire resistant, thermoplastic polyolefin based compound (SHFI).
Colour	Orange or Green or Black.

STANDARDS & MAIN CHARACTERISTICS

Construction	IEC 60092 / 353
Tests And Material	IEC 60092 / 350-360
Flame Retardant	IEC 60332 / 1-2, IEC 60332 / 3-22 Cat A
Fire Resistance	IEC 60331 / 2,1 / IEC 60331 / 1-2
Halogen Content	IEC 60754 / 1-2
Smoke Emission	IEC 61034 / 1-2 (DIN EN 50268 / 1-2)
Ozon Resistance	IEC 60811 / 403
Working Temperature	-40°C / + 90°C
Min. Bending Radius (fixed)	6xD
Rated Voltage	0,6 / 1 kV
Test Voltage	3,5 kV

Minimum recommended installation temperature -15°C

For core identification, diameter tolerances and current ratings etc. see technical information section

Application

Used on marine vehicles as fixed installation cables of various electromechanical and electronic equipments, where sustainable connection during fire is required.



Halogen Free



Low Smoke Density



Flame Retardant



Rated Voltage



Test Voltage



Working Temperature



Bending Radius



No Corrosivity

SupremeFlex SmF M2XCH-FFR

HFFR Fire Resistant Screened Sector Flex Power Cable

Cross Section (mm ²)	Overall Diameter (mm) (*)	Approximate Weight (kg / km)	Min. Bending Radius Fixed Installed (mm)	Max Resistance of Conductors at 20°C (ohm / km)	Current Carrying Capacity at 45°C (A)
3x35	23,6	1310	142	0,554	107
3x50	28,0	1800	168	0,386	137
3x70	31,5	2415	189	0,272	168
3x95	34,0	3075	204	0,206	201
3x120	40,2	4035	242	161	233
3x150	44,1	4870	265	0,129	268
3x185	49,0	6000	294	0,106	303
3x240	54,4	7640	327	0,0801	356
4x35	27,6	1720	166	0,554	107
4x50	31,3	2330	188	0,386	137
4x70	36,7	3250	221	0,272	168
4x95	40,0	4140	240	0,206	201
4x120	45,3	5250	272	0,161	233
4x150	48,4	6310	291	0,129	268
4x185	53,8	7780	323	0,106	303
4x240	59,3	9920	356	0,0801	356

(*) Cable diameter tolerances are ± 7 %