



CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed copper wire. IEC 60228 Class 2 (Class 5 and / or tinned on request)
Fire Barrier	Mica tape
Insulation	Cross linked polyethylene compound (XLPE). Each pair fomed by white cores with black numbers.
Separator	Separating tape over pairs.
Individual Screen	Electrolytic, tinned, stranded, copper drain wire and aluminum tape screen over each pair
Inner Covering	Separating foil.
Overall Screen	Electrolytic copper braided screen (Min. 90%coverage) (Tinned copper wire braid on request)
Outer sheath	Halogen-free, flame retardant, polyolefin based compound (SHF 1).
Color	Orange or Green.

STANDARDS & MAIN CHARACTERISTICS

Construction	IEC 60092 / 376
Tests And Material	IEC 60092 / 350-360
Flame Retardant	IEC 60332 / 1, IEC 60332 / 3-22 Cat A
Fire Resistance	IEC 60331 / 21, 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	150 / 250 V
Test Voltage	1,5 kV

Minimum recommended installation temperature -15°C

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

Application

Used as signal and communication cables in radio, radar and information systems of marine vehicles. It's twisted pairs enables proper transmission of high frequency signals, while it's overall screen minimizes environmental electromagnetic interference.



Halogen Free



Low Smoke Density



Flame Retardant



Rated Voltage



Test Voltage



Working Temperature



Bending Radius



No Corrosivity

FM2XCCH - FFR

Fire Resistant HFFR Screened Communication 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)
2x2x0,5	11,7	156	71	40,4	9
4x2x0,5	14,1	258	85	40,4	6
7x2x0,5	16,7	370	101	40,4	5
12x2x0,5	21,7	564	131	40,4	5
16x2x0,5	24,1	700	145	40,4	4
18x2x0,5	25,5	780	155	40,4	4
24x2x0,5	27,4	950	165	40,4	4
2x2x0,75	13,0	182	78	26,0	11
4x2x0,75	15,6	305	94	26,0	8
7x2x0,75	18,6	440	112	26,0	7
12x2x0,75	24,8	706	149	26,0	6
16x2x0,75	28,2	890	170	26,0	5
18x2x0,75	29,6	975	178	26,0	5
24x2x0,75	34,9	1264	210	26,0	5
2x2x1	14,4	228	87	19,2	13
4x2x1	16,7	345	101	19,2	9
7x2x1	19,9	502	120	19,2	8
12x2x1	26,3	790	158	19,2	7
16x2x1	30,1	1010	181	19,2	6
18x2x1	31,7	1110	191	19,2	6
24x2x1	37,7	1530	227	19,2	6
2x2x1,5	16,2	294	98	12,8	17
4x2x1,5	18,9	435	114	12,8	12
7x2x1,5	22,9	655	138	12,8	10
12x2x1,5	31,1	1060	187	12,8	9
16x2x1,5	34,7	1330	209	12,8	8
18x2x1,5	37,1	1562	223	12,8	7
24x2x1,5	43,8	2040	263	12,8	7