FM2XCH - FFR

CABLE STRUCTURE

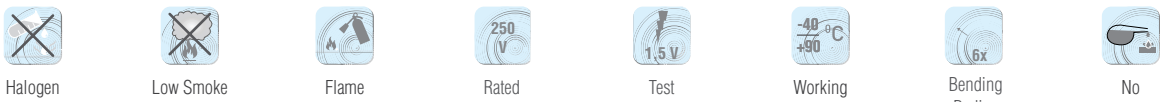
Conductor	Electrolytic, stranded, annealed copper wire IEC 60228 Class 2 (Class 5 and / or tinned on request)
Fire Barrier	Mica Tape
Insulation	Cross linked polyethylene compound (XLPE). Each pair formed by white cores wiht black numbers.
Inner Covering	Separating foil.
Screen	Electrolytic copper braided screen (Min. 90% coverage). (Tinned copper wire braid on reguest)
Outer sheath	Halogen-free, flame retardant, UV Resistant, 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
UV and Sunlight Resistance	EN 50289-4-17 A&B, ISO 4892-2&3

Minimum recommended installation temperature -15˚C
For core identification, diameter tolerances and current ratings etc. see technical information section

Application
Used as control and signal cables in various electromechanical and electronic equipments of marine vehichles, in most areas & open deck in ships. Due to its' overall screen the electromagnetic interference is minimized.



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)
1x2x0,5	7,2	70	44	40,4	11
1x4x0,5	8,1	95	49	40,4	9
2x2x0,5	10,2	120	62	40,4	9
4x2x0,5	11,9	175	72	40,4	6
5x2x0,5	12,9	202	78	40,4	6
7x2x0,5	14,5	280	87	40,4	5
8x2x0,5	15,6	310	94	40,4	5
10x2x0,5	18,3	390	110	40,4	5
12x2x0,5	18,8	424	113	40,4	5
14x2x0,5	19,9	480	120	40,4	4
16x2x0,5	21,0	530	126	40,4	4
18x2x0,5	22,2	585	134	40,4	4
19x2x0,5	22,2	605	134	40,4	4
20x2x0,5	23,2	630	140	40,4	4
24x2x0,5	23,6	705	142	40,4	4
37x2x0,5	29,6	1025	180	40,4	3
1x2x0,75	8,1	90	49	26,0	13
1x4x0,75	9,4	125	57	26,0	11
2x2x0,75	11,9	155	72	26,0	11
4x2x0,75	14,3	260	86	26,0	8
5x2x0,75	15,5	300	93	26,0	7
6x2x0,75	16,9	346	102	26,0	7
7x2x0,75	16,9	368	102	26,0	7
8x2x0,75	18,3	413	110	26,0	6
10x2x0,75	21,4	510	129	26,0	6
12x2x0,75	22,3	580	134	26,0	6
14x2x0,75	23,4	640	141	26,0	5
16x2x0,75	24,8	716	149	26,0	5
18x2x0,75	26,1	786	157	26,0	5
19x2x0,75	26,1	810	157	26,0	5
20x2x0,75	27,6	864	166	26,0	5
24x2x0,75	30,7	1020	185	26,0	5
37x2x0,75	35,8	1510	215	26,0	4

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)
1x2x1	8,5	96	51	19,2	16
1x4x1	9,7	136	59	19,2	13
2x2x1	12,2	170	74	19,2	13
4x2x1	14,7	280	89	19,2	9
5x2x1	16,0	325	96	19,2	9
6x2x1	17,4	380	105	19,2	8
7x2x1	17,4	405	105	19,2	8
8x2x1	18,8	452	113	19,2	8
10x2x1	22,3	572	134	19,2	7
12x2x1	23,0	638	138	19,2	7
14x2x1	24,1	710	145	19,2	6
16x2x1	25,6	795	154	19,2	6
18x2x1	26,9	870	162	19,2	6
19x2x1	26,9	900	162	19,2	6
20x2x1	28,5	960	171	19,2	6
24x2x1	28,9	1080	174	19,2	6
37x2x1	36,9	1682	222	19,2	5
1x2x1,5	9,5	120	57	12,8	20
1x4x1,5	10,9	174	66	12,8	17
2x2x1,5	14,4	246	87	12,8	17
4x2x1,5	16,8	364	101	12,8	12
5x2x1,5	18,4	430	111	12,8	11
6x2x1,5	20,1	490	121	12,8	10
7x2x1,5	20,1	540	121	12,8	10
8x2x1,5	21,7	600	131	12,8	9
10x2x1,5	25,7	765	155	12,8	9
12x2x1,5	26,5	850	159	12,8	9
14x2x1,5	28,1	965	169	12,8	8
16x2x1,5	29,6	1070	178	12,8	8
18x2x1,5	31,3	1185	188	12,8	7
19x2x1,5	31,3	1230	188	12,8	7
20x2x1,5	33,2	1312	200	12,8	7
24x2x1,5	33,7	1478	203	12,8	7
37x2x1,5	43,0	2290	258	12,8	6


IEC 60332-3 A