

FM2XAH

HFFR Screened Communication Cable



CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed copper wire IEC 60228 Class 2 (Class 5 and / or tinned on request)
Insulation	Cross linked polyethylene compound (XLPE). Each pair formed by white cores with black numbers.
Inner Covering	Separating foil.
Screen	Electrolytic, tinned, stranded, copper drain wire and aluminum tape overall screen.
Separator (Optional)	Separating foil above screen.
Outer sheath	Halogen-free, flame retardant, polyolefin based compound (SHF 1).
Colour	Black or Grey.



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
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

FM2XAH

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)
1x2x0,5	5,7	42	35	40,4	11
2x2x0,5	7,9	68	48	40,4	9
4x2x0,5	9,3	105	56	40,4	6
7x2x0,5	10,9	150	66	40,4	5
10x2x0,5	14,1	220	85	40,4	5
12x2x0,5	14,5	244	87	40,4	5
14x2x0,5	15,2	274	92	40,4	4
16x2x0,5	16,1	315	97	40,4	4
18x2x0,5	17,1	345	103	40,4	4
24x2x0,5	20,1	450	121	40,4	4
37x2x0,5	23,1	640	139	40,4	3
1x2x0,75	6,5	55	39	26,0	13
2x2x0,75	9,4	90	57	26,0	11
4x2x0,75	10,9	140	66	26,0	8
7x2x0,75	13,1	210	79	26,0	7
10x2x0,75	16,9	310	102	26,0	6
12x2x0,75	17,5	350	105	26,0	6
14x2x0,75	18,4	395	111	26,0	5
16x2x0,75	19,6	450	118	26,0	5
18x2x0,75	20,6	496	124	26,0	5
24x2x0,75	24,2	648	146	26,0	5
37x2x0,75	28,1	952	169	26,0	4
1x2x1	6,8	60	41	19,2	16
2x2x1	9,9	105	60	19,2	13
4x2x1	11,7	164	71	19,2	9
7x2x1	14,0	255	84	19,2	8
10x2x1	17,9	360	108	19,2	7
12x2x1	18,5	410	111	19,2	7
14x2x1	19,6	470	118	19,2	6
16x2x1	20,8	530	125	19,2	6
18x2x1	22,0	596	132	19,2	6
24x2x1	25,9	780	156	19,2	6
37x2x1	29,8	1132	179	19,2	5

FM2XAH

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)
1x2x1,5	7,9	80	48	12,8	20
2x2x1,5	11,8	145	71	12,8	17
4x2x1,5	13,9	234	84	12,8	12
7x2x1,5	16,7	370	101	12,8	10
10x2x1,5	21,4	520	129	12,8	9
12x2x1,5	22,3	610	134	12,8	9
14x2x1,5	23,5	690	141	12,8	8
16x2x1,5	25,1	782	151	12,8	8
18x2x1,5	26,3	864	158	12,8	7
24x2x1,5	31,3	1150	188	12,8	7
37x2x1,5	36,2	1694	218	12,8	6