



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 foil over each pair.
Individual Screen	Electrolytic, tinned, stranded, copper drain wire and aluminum tape screen over each pair.
Separator	Separating tape over each screend pair.
Overall Screen	Electrolytic, tinned, stranded, copper drain wire and aluminum tape screen.
Separator (Optional)	Overall separating foil above overall screen
Outer sheath	Halogen-free, flame retardant, polyolefin based compound (SHF 1).
Colour	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

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.



Cold Resistant



Tear Resistant



Uv Resistant



Rated Voltage



Test Voltage



Working Temperature



Bending Radius



No Corrosivity

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	11,2	112	68	40,4	9
4x2x0,5	13,0	168	78	40,4	6
7x2x0,5	15,6	258	94	40,4	5
12x2x0,5	21,0	425	126	40,4	5
16x2x0,5	23,5	545	141	40,4	4
18x2x0,5	24,9	610	150	40,4	4
24x2x0,5	29,3	800	176	40,4	4
2x2x0,75	12,5	135	75	26,0	11
4x2x0,75	14,7	210	88	26,0	8
7x2x0,75	17,8	300	107	26,0	7
12x2x0,75	23,8	484	143	26,0	6
16x2x0,75	26,7	690	160	26,0	5
18x2x0,75	28,3	775	170	26,0	5
24x2x0,75	33,6	1028	202	26,0	5
2x2x1	13,2	148	79	19,2	13
4x2x1	15,6	236	94	19,2	9
7x2x1	18,9	370	113	19,2	8
12x2x1	25,6	625	154	19,2	7
16x2x1	28,6	800	172	19,2	6
18x2x1	30,4	896	182	19,2	6
24x2x1	36,0	1190	216	19,2	6
2x2x1,5	15,3	195	92	12,8	17
4x2x1,5	18,1	318	109	12,8	12
7x2x1,5	22,0	510	132	12,8	10
12x2x1,5	29,6	840	178	12,8	9
16x2x1,5	33,4	1096	201	12,8	8
18x2x1,5	35,2	1210	211	12,8	7
24x2x1,5	41,9	1630	252	12,8	7