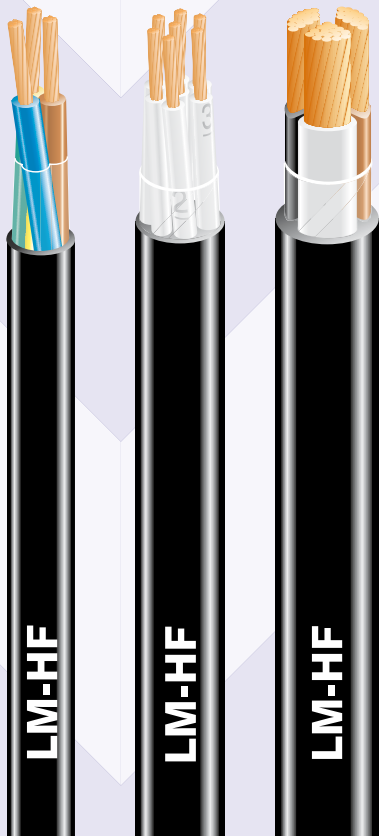


# Power and Control Cables

**LM-HF**  
0,6/1(1,2) kV  
(TEMA)



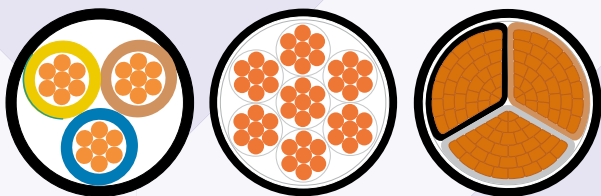
**Design**

# Marine Cables

## Unarmoured Power and Control Cable

- > **Conductor**  
Annealed stranded plain copper
  - round 1,5 to 16 mm<sup>2</sup>
  - round compacted 25 to 240 mm<sup>2</sup>
  - sector shaped in 3-4 cores 35 to 240 mm<sup>2</sup>
- > **Insulation**  
Extruded XLPE
  - See page 33 for core identification colours
- > **Sheath**  
Extruded black halogen free polyolefine, SHF1
- > **Installation information and electrical data on pages 30-35**

**Standards**



- > **Construction**  
IEC 60092-353 and IEC 60092-350
- > **Materials**  
IEC 60228 Class 2 (conductor)  
IEC 60092-351 (insulation)  
IEC 60092-359 (sheath)
- > **Flame Retardance**  
IEC 60332-3-22 (cat A) and IEC 60332-1-2
- > **Halogen Free Properties**  
IEC 60754-1 and -2
- > **Low Smoke Emission**  
IEC 61034-1 and -2
- > **Tests**  
IEC 60092-353
- > **Choice and Installation**  
IEC 60092-352
- > **Maximum conductor temperature +90 °C**

Size (n x mm <sup>2</sup> ) or (n G mm <sup>2</sup> )	Conductor		Cable Diameter approx. (mm)	Weight approx. (kg/km)	Bending Radius min. (mm)
	Diameter/Height approx. (mm)	Width approx. (mm)			
<b>POWER CABLES</b>					
1x16		5,0		9,0	70
1x25		5,8	–	10,5	85
1x35		6,9	–	11,5	90
1x50		8,0	–	13,0	100
1x70		9,7	–	15,0	120
1x95		11,3	–	16,5	130
1x120		12,7	–	18,5	150
1x150		14,1	–	20,5	160
1x185		15,7	–	23,0	180
1x240		18,1	–	25,5	200
1x300		20,2	–	29,0	230
2x1,5		1,6	–	8,5	35
2x2,5		2,0	–	9,5	40
3x1,5	3G1,5	1,6	–	9,0	40
3x2,5	3G2,5	2,0	–	10,5	45
3x4	3G4	2,6	–	11,5	45
3x6	3G6	3,1	–	12,5	50
3x10		4,0	–	14,5	60
3x16		5,0	–	17,5	70
3x25		5,8	–	20,0	80
3x35		5,6	9,2	20,5	1170
3x50		6,5	10,7	23,0	1550
3x70		7,9	12,8	27,0	2200
3x95		9,3	15,1	31,0	2950
3x120		10,5	17,0	34,0	3700
3x150		11,6	18,9	38,0	4600
4x1,5	4G1,5	1,6	–	10,0	40
4x2,5	4G2,5	2,0	–	11,0	45
4x4	4G4	2,6	–	13,0	55
4x6	4G6	3,1	–	14,0	55
4x10	4G10	4,0	–	16,5	65
4x16	4G16	5,0	–	19,0	80
4x25	4G25	5,8	–	22,5	1200
4x35	4G35	6,2	8,6	23,0	1550
4x50	4G50	7,2	9,9	26,5	2050
4x70	4G70	8,6	12,0	31,0	2900
4x95	4G95	10,2	14,1	35,0	3900
4x120	4G120	11,5	15,8	39,0	4900
5x1,5	5G1,5	1,6	–	11,0	45
5x2,5	5G2,5	2,0	–	12,5	50
–	5G6	3,1	–	15,5	65
–	5G10	4,0	–	18,0	75
–	5G16	5,0	–	21,0	85
–	5G25	5,8	–	25,0	1500
<b>CONTROL CABLES</b>					
7x1,5		1,6	–	13,0	220
12x1,5		1,6	–	16,0	325
19x1,5		1,6	–	19,0	480
27x1,5		1,6	–	22,5	670
7x2,5		2,0	–	14,5	305
12x2,5		2,0	–	18,0	460
19x2,5		2,0	–	21,0	690
<b>CLASS 5 CONDUCTOR</b>					
1x50		9,9	–	15,0	550
1x70		11,0	–	17,0	770
1x95		13,5	–	19,0	1000
1x120		15,2	–	21,0	1250
1x150		17,2	–	24,0	1550
1x185		18,9	–	26,0	1880
1x240		21,8	–	30,0	2450