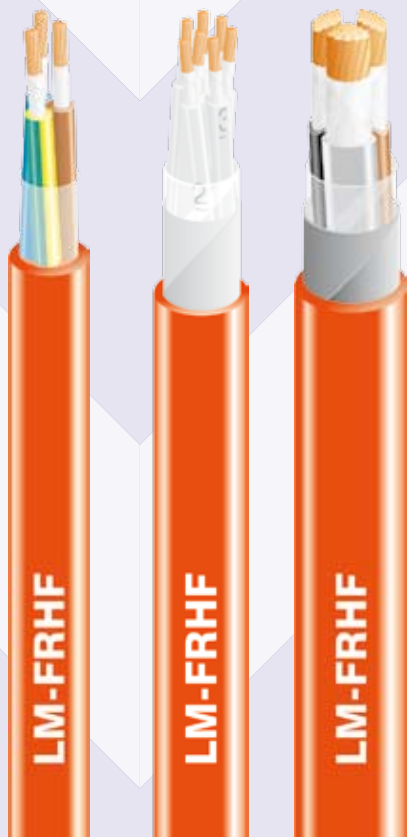


Fire Resistant Cables

LM-FRHF
0,6/1 (1,2) kV
(TEMA-FR)



Design

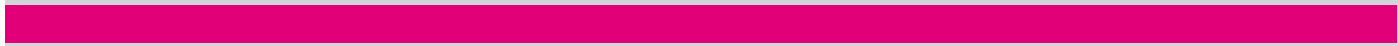
Standards

Marine Cables

Unarmoured Fire Resistant Power and Control Cable

- > **Conductor**
Annealed stranded plain copper
 - round 1,5 to 16 mm²
 - round compacted 25 to 240 mm²
 - sector shaped in 3-4 cores 35 to 240 mm²
- > **Insulation**
Mica tape with overlap as fire resistant layer
Extruded XLPE
 - see page 29 for core identification colours
- > **Sheath**
Extruded orange halogen free polyolefine, SHF 1
- > **Installation information and electrical data on pages 28-31**

- > **Construction**
IEC 60092-353 and IEC 60092-350
- > **Materials**
IEC 60228 Class 2 (conductor)
IEC 60092-351 (insulation)
IEC 60092-359 (sheath)
- > **Fire Resistance**
IEC 60331-21
- > **Flame Retardance**
IEC 60332-3-22 (cat A) and IEC 60332-1
- > **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 ²) or (n G mm ²)	Conductor		Cable Diameter approx. (mm)	Weight approx. (kg/km)	Bending Radius min. (mm)
	Diameter/Height approx. (mm)	Width approx. (mm)			
POWER CABLES					
2x1,5		1,6	–	9,5	40
2x2,5		2,0	–	10,5	45
3x1,5	3G1,5	1,6	–	10,0	45
3x2,5	3G2,5	2,0	–	11,0	50
3x6		3,1	–	13,5	60
3x10		4,0	–	16,0	65
3x16		5,0	–	18,0	75
3x25		5,8	–	21,5	130
3x35		5,6	9,2	21,5	175
3x50		6,5	10,7	24,0	195
3x70		7,9	12,8	27,5	225
3x95		9,3	15,1	31,0	250
3x120		10,5	17,0	34,5	280
3x150		11,6	18,9	38,0	310
4x1,5	4G1,5	1,6	–	11,0	50
4x2,5	4G2,5	2,0	–	12,0	50
CONTROL CABLES					
5x1,5		1,6	–	12,0	50
7x1,5		1,6	–	14,5	60
12x1,5		1,6	–	17,5	75
19x1,5		1,6	–	20,5	85
27x1,5		1,6	–	26,0	160
37x1,5		1,6	–	29,0	175
5x2,5		2,0	–	13,5	55
7x2,5		2,0	–	15,5	65
12x2,5		2,0	–	19,5	80
19x2,5		2,0	–	23,0	95

