

LKMM-FRHF

0.6/1 kV

Fire-resistant unarmoured power and control cable with extruded filler



• FLAME-RETARDANT • FIRE RESISTANT • HALOGEN-FREE • LOW SMOKE EMISSION • OIL RESISTANT (SHF2 only)

CONDUCTOR	Stranded copper conductor 1.0-10 mm ² , IEC 60228 Class 2 Stranded copper conductor 16-300 mm ² , IEC 60228 Class 5
INSULATION	Mica tape XLPE
CABLING/BEDDING	Cabling, cores twisted together. Bedding, extruded filler.
RIP CORD	For conductors ≥ 16 mm ²
SHEATH	Polyolefine SHF1, IEC 60092-360 Cross-linked polyolefine SHF2 on request Standard colour orange, SHF2 standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-353

APPLICATION

Fire-resistant unarmoured power and control cable with extruded filler. For fixed installation in most areas, and on open deck in ships and offshore units. If the cable is exposed to direct sunlight, protective covering or cable with black outer sheath is recommended.

PHYSICAL PROPERTIES

CORE IDENTIFICATION	Colour code for 1...4 core cables, number code for 5...37 core cables
MARINE TYPE APPROVALS	ABS, BV, DNV, LR

MAIN CHARACTERISTICS

RATED VOLTAGE	AC 0.6/1 kV (1.2 kV) DC 0.9/1.5 kV (if voltage to earth does not exceed 0.9 kV)
FIRE PERFORMANCE	IEC 60332-1-2 IEC 60332-3-22
FIRE-RESISTANT	IEC 60331-1 / IEC 60331-2 (180 min)
HALOGEN-FREE	IEC 60754 series
SMOKE EMISSION	IEC 61034 series
OIL RESISTANCE (SHF2 only)	IEC 60811-404 conditions acc. to 60092-360/SHF2
MIN. INSTALLATION TEMPERATURE	-15 °C
OPERATING TEMPERATURE	-40 - 80 °C fixed installation
MAX. CONDUCTOR TEMPERATURE	90 °C

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Part number	G-type	No. of conductors x Conductor area (mm ²)	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
29532	-	2 x 1.5	12.0	155	20	70
29533	-	2 x 2.5	13.0	190	26	75
29534	-	2 x 4	13.5	235	34	85
29535	-	2 x 6	15.5	295	44	90
29536	-	2 x 10	17.0	420	61	105
29537	-	2 x 16 cl5	19.5	575	82	120
29538	-	2 x 25 cl5	24.5	840	108	145
29539	-	2 x 35 cl5	25.5	1125	133	155
29540	-	2 x 50 cl5	30.0	1510	167	180
29541	-	2 x 70 cl5	34.5	2055	206	205
29550	29551	3 x 1.5	12.5	180	16	75
29552	29553	3 x 2.5	13.0	235	21	80
29554	29555	3 x 4	15.0	285	28	85
29556	29557	3 x 6	15.5	365	36	95
29558	29559	3 x 10	18.0	530	50	110
29560	29561	3 x 16 cl5	20.5	735	67	125
29562	29563	3 x 25 cl5	26.0	1090	89	155
29564	29565	3 x 35 cl5	27.0	1450	110	165
29566	29567	3 x 50 cl5	32.0	1970	137	190
29568	29569	3 x 70 cl5	37.5	2760	169	220
29570	29571	3 x 90 cl5	41.0	3505	205	245
29572	29573	3 x 120 cl5	45.0	4395	237	275
29574	29575	3 x 150 cl5	51.5	5555	272	310
29576	29577	3 x 185 cl5	56.5	6760	311	340
29578	29579	3 x 240 cl5	64.0	8955	365	385
29584	29585	4 x 1.5	13.5	215	16	80
29586	29587	4 x 2.5	14.0	275	21	85
29588	29589	4 x 4	16.0	345	28	95
29590	29591	4 x 6	17.0	450	36	105
29592	29593	4 x 10	20.0	660	50	120
29594	29595	4 x 16 cl5	23.5	940	67	140
29596	29597	4 x 25 cl5	28.5	1380	89	170
29598	29599	4 x 35 cl5	30.0	1830	110	180
29600	29601	4 x 50 cl5	35.5	2525	137	210
29602	29603	4 x 70 cl5	40.5	3495	169	245
29618	29619	5 x 1.5	14.5	250	13	85
29620	29621	5 x 2.5	16.0	325	17	95
29622	29623	5 x 4	17.5	420	23	100
29624	29625	5 x 6	19.0	535	30	110
29626	29627	5 x 10	21.5	800	42	130
29628	29629	5 x 16 cl5	25.5	1145	56	150
29630	29631	5 x 25 cl5	30.5	1710	74	185

Standard length 1000 m

G-type with yellow/green earth conductor and G-marking on sheath e.g. 3G1.5

SHF2 on request. Part number for SHF2 cables 4 + code from above table → 4xxxxx

Other sizes on request.