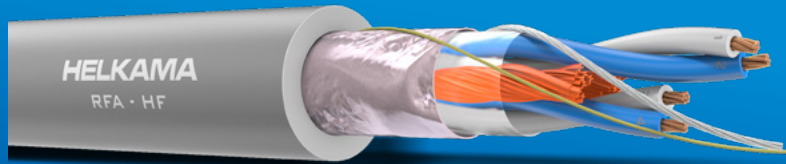


# RFA-HF

250 V

Screened pair instrumentation and communication cable

250 V CABLES



- Flame-retardant • Halogen-free • Low smoke emission • Oil resistant (SHF2 only)

<b>CONDUCTOR</b>	Stranded copper conductor, IEC 60228 Class 2
<b>INSULATION</b>	XLPE
<b>TWISTED PAIR</b>	Two insulated cores twisted together to form a pair
<b>CABLING</b>	Cabling, pairs twisted together, with optional fillers to obtain symmetrical and round construction, covered by separator tape.
<b>COLLECTIVE SCREEN</b>	Tinned copper drain wire (all sizes) Aluminium polyester tape, coverage 100%
<b>SHEATH</b>	Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour grey, other colours on request
<b>REFERENCE STANDARD</b>	IEC 60092-376

## APPLICATION

Screened pair instrumentation and communication cable. For fixed installation in most areas, and on open deck in ships and offshore units, especially when lightweight cables are needed. If the cable is exposed to direct sunlight, protective covering or cable with black outer sheath is recommended.

## PHYSICAL PROPERTIES:

**CORE IDENTIFICATION** Pair colours white and blue  
Pair identification with colour code and identification number

**MARINE TYPE APPROVALS** ABS, BV, CCS, CRS, DNV, KR, LR, RINA

## MAIN CHARACTERISTICS:

**RATED VOLTAGE** 150/250 V (300 V)

**FIRE PERFORMANCE** IEC 60332-1-2  
IEC 60332-3-22

**HALOGEN-FREE** IEC 60754 series

**SMOKE EMISSION** IEC 61034 series

**OIL RESISTANCE (SHF2 only)** IEC 60811-404 conditions according to 60092-360/SHF2

**MIN. INSTALLATION TEMPERATURE** -15 °C

**OPERATING TEMPERATURE** -40 - 80 °C fixed installation

**MAXIMUM CONDUCTOR TEMPERATURE** 90 °C



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Subject to change without prior notice.

**ELECTRICAL PROPERTIES:**

	0.5 mm <sup>2</sup>	0.75 mm <sup>2</sup>	1.5 mm <sup>2</sup>	Unit
Loop resistance (pair, max 20 °C)	80	52	24.4	ohm/km
Pair capacitance (nom. 1 KHz)	55	50	60	nF/km
Loop inductance (nom.)	0.6	0.6	0.7	mH/km
Insulation resistance (20 °C)	≥ 1500	≥ 1500	≥ 1500	Mohm/km

**RFA-HF 250 V**

Part number	No. of conductors x Conductor area (mm <sup>2</sup> )	Nominal outer Ø (mm)	Weight kg/km	Min. bending radius mm (fi xed)
20910	1 x 2 x 0.5	5.5	40	45
20904	1 x 3 x 0.5	6.0	50	50
20912	2 x 2 x 0.5 Quad	6.5	60	50
20914	2 x 2 x 0.5	8.0	70	65
20906	3 x 2 x 0.5	8.5	85	70
20916	4 x 2 x 0.5	9.5	110	80
20918	7 x 2 x 0.5	11.5	155	90
20920	8 x 2 x 0.5	12.5	180	100
20922	10 x 2 x 0.5	14.0	215	110
20924	12 x 2 x 0.5	14.5	245	115
20926	14 x 2 x 0.5	15.5	280	125
20928	16 x 2 x 0.5	16.5	310	130
20930	19 x 2 x 0.5	17.5	360	140
20932	24 x 2 x 0.5	19.5	440	160
20934	32 x 2 x 0.5	22.5	580	180
20936	37 x 2 x 0.5	24.0	655	195
20970	1 x 2 x 0.75	6.5	55	50
20966	1 x 3 x 0.75	7.0	65	55
20972	2 x 2 x 0.75 Quad	7.5	75	60
20974	2 x 2 x 0.75	10.0	100	80
20968	3 x 2 x 0.75	10.5	120	85
20976	4 x 2 x 0.75	11.5	145	90
20978	7 x 2 x 0.75	14.0	220	110
20980	8 x 2 x 0.75	15.0	250	120
20982	10 x 2 x 0.75	16.5	300	135
20984	12 x 2 x 0.75	17.5	345	140
20986	14 x 2 x 0.75	19.0	400	150
20988	16 x 2 x 0.75	20.0	445	160
20990	19 x 2 x 0.75	22.0	530	175
20992	24 x 2 x 0.75	24.0	655	195
20994	32 x 2 x 0.75	27.5	845	220
20996	37 x 2 x 0.75	29.5	955	235
21356	1 x 2 x 1.5	8.0	80	65
21357	1 x 3 x 1.5	8.5	100	65
21358	2 x 2 x 1.5 Quad	9.5	130	75
21359	2 x 2 x 1.5	12.5	170	100
21360	3 x 2 x 1.5	13.5	200	105
21361	4 x 2 x 1.5	14.5	245	115
21362	7 x 2 x 1.5	17.5	385	140
21363	8 x 2 x 1.5	19.0	440	150
21364	10 x 2 x 1.5	22.0	555	175
21365	12 x 2 x 1.5	23.0	640	185
21366	14 x 2 x 1.5	24.5	735	195
21367	16 x 2 x 1.5	26.0	825	210
21368	19 x 2 x 1.5	28.0	970	225
21369	24 x 2 x 1.5	31.5	1210	255
21370	27 x 2 x 1.5	33.5	1355	270

