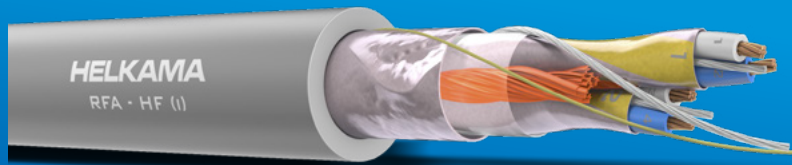


RFA-HF (i)

250 V

Collectively and individually screened pair instrumentation and communication cable

250 V CABLES



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

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

APPLICATION

Collectively and individually 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

Subject to change without prior notice. See latest update on our webpage.

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ELECTRICAL PROPERTIES:

	0.5 mm ²	0.75 mm ²	1.5 mm ²	Unit
Loop resistance (pair, max 20 °C)	80	52	24.4	ohm/km
Pair capacitance (nom. 1 KHz)	55	70	90	nF/km
Loop inductance (nom.)	0.6	0.6	0.7	mH/km
Insulation resistance (20 °C)	≥ 1500	≥ 1500	≥ 1500	Mohm/km

RFA-HF (i) 250 V

Part number	No. of conductors x Conductor area (mm ²)	Nominal outer Ø (mm)	Weight kg/km	Min. bending radius mm (fixed)
20939	1 x 2 x 0.5	6.0	50	45
---	1 x 3 x 0.5	9.0	85	70
---	2 x 2 x 0.5 Quad	9.5	100	80
20940	2 x 2 x 0.5	8.5	85	65
20942	4 x 2 x 0.5	10.0	130	80
20944	7 x 2 x 0.5	12.0	200	95
20946	8 x 2 x 0.5	12.5	225	100
20948	10 x 2 x 0.5	14.5	280	115
20950	12 x 2 x 0.5	15.0	320	120
20952	14 x 2 x 0.5	16.0	360	130
20954	16 x 2 x 0.5	17.0	405	135
20956	19 x 2 x 0.5	18.5	475	145
20958	24 x 2 x 0.5	20.5	600	165
20960	32 x 2 x 0.5	23.5	775	185
20962	37 x 2 x 0.5	25.0	880	200
21058	1 x 2 x 0.75	6.5	60	55
23408	1 x 3 x 0.75	10.5	100	85
21079	2 x 2 x 0.75 Quad	11.5	120	90
21059	2 x 2 x 0.75	10.0	115	80
21100	3 x 2 x 0.75	10.5	135	85
21061	4 x 2 x 0.75	11.5	170	95
21115	5 x 2 x 0.75	13.0	205	105
21063	7 x 2 x 0.75	14.0	260	110
21065	8 x 2 x 0.75	15.0	300	120
21067	10 x 2 x 0.75	17.0	370	140
21069	12 x 2 x 0.75	18.0	425	145
21071	14 x 2 x 0.75	19.0	480	155
21073	16 x 2 x 0.75	20.5	560	165
21075	19 x 2 x 0.75	22.0	645	180
21077	24 x 2 x 0.75	24.5	795	200
21375	1 x 2 x 1.5	8.0	90	65
21376	1 x 3 x 1.5	13.0	150	100
21377	2 x 2 x 1.5 Quad	14.5	195	115
21378	2 x 2 x 1.5	12.5	185	100
21379	3 x 2 x 1.5	13.0	225	105
21380	4 x 2 x 1.5	14.5	285	120
21381	7 x 2 x 1.5	17.5	450	140
21382	8 x 2 x 1.5	19.5	520	155
21383	10 x 2 x 1.5	22.0	645	175
21384	12 x 2 x 1.5	23.0	740	185
21385	14 x 2 x 1.5	24.5	845	195
21386	16 x 2 x 1.5	26.0	960	210
21387	19 x 2 x 1.5	28.0	1115	225
21388	24 x 2 x 1.5	31.5	1415	255
21389	27 x 2 x 1.5	33.5	1585	270

Standard length 1000 m

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

Other sizes on request.