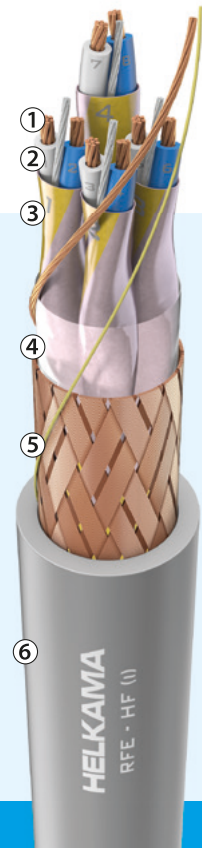


# RFE-HF (i)

## Armoured and individually screened instrumentation and communication cable 250V

DESIGN:	STANDARDS: IEC 60092-376, design	
<b>1. Conductor</b>	- stranded copper conductor - tinned stranded copper conductor on request	IEC 60228, class 2
<b>2. Insulation</b>	- XLPE plastic	IEC 60092-360
<b>3. Twisted pair &amp; individual screen</b>	- two insulated cores twisted together to form a pair - plastic coated aluminium tape and a tinned copper drain wire	
<b>4. Bedding</b>	- filler tape	
<b>5. Armour</b>	- drain wire copper (in all sizes) - copper wire braid, coverage > 94% - tinned copper wire braid on request	IEC 60092-350
<b>6. Sheath</b>	- polyolefine plastic, SHF1 - on request, thermosetting polyolefine, SHF2 - standard colour grey, other colours on request - rip cord under sheath	IEC 60092-360



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

**Application:** For fixed installation in most areas and on open deck in ships and offshore units. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

### Main characteristics

Rated voltage	150/250V (300V)
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
Oil resistance (only SHF2)	IEC 60811-404 conditions according to 60092-360/SHF2

### Electrical data:

	0,5mm <sup>2</sup>	0,75mm <sup>2</sup>	1,5mm <sup>2</sup>	Unit
Loop resistance of 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

**Temperature rating:** Maximum conductor temperature + 90 °C  
Fixed installation -40 °C to +80 °C  
Minimum recommended installation temperature - 15 °C

For details see general information section

RFE-HF (i) 250V Part number	Number of conductors & cross-section n x mm <sup>2</sup>	Nominal outer diameter mm	Approx- imate weight kg/km	Min. bending radius fixed installation mm
22338	1x2x0,5	7,0	80	40
22340	1x3x0,5	6,5	100	40
22342	2x2x0,5 Quad	7,0	120	40
22344	2x2x0,5	9,5	135	60
22346	3x2x0,5	10,0	155	60
22348	4x2x0,5	11,0	185	65
22350	7x2x0,5	13,0	265	75
22352	8x2x0,5	13,5	290	80
22354	10x2x0,5	15,5	380	95
22356	12x2x0,5	16,5	425	100
22358	14x2x0,5	17,5	480	105
22360	16x2x0,5	18,5	530	110
22362	19x2x0,5	19,5	605	120
22364	24x2x0,5	22,0	750	135
22366	27x2x0,5	23,0	825	140
22368	30x2x0,5	24,0	895	145
22370	32x2x0,5	24,5	940	150
22372	37x2x0,5	26,5	1065	160
22006	1x2x0,75	7,5	95	45
22005	1x3x0,75	7,5	115	45
22008	2x2x0,75 Quad	8,0	145	45
22010	2x2x0,75	11,0	165	65
22012	4x2x0,75	13,0	235	75
22014	7x2x0,75	15,5	365	95
22016	8x2x0,75	16,5	400	100
22018	10x2x0,75	18,5	485	110
22020	12x2x0,75	19,5	550	115
22022	14x2x0,75	21,0	635	125
22024	19x2x0,75	23,5	810	140
22026	24x2x0,75	26,0	980	155
22028	32x2x0,75	30,0	1255	180
22031	37x2x0,75	31,5	1410	190
22050	1x2x1,5	10,0	150	60
22049	1x3x1,5	9,5	180	55
22052	2x2x1,5 Quad	10,0	220	60
22054	2x2x1,5	14,5	255	85
22056	4x2x1,5	17,0	415	105
22058	7x2x1,5	20,5	615	120
22060	8x2x1,5	22,0	705	130
22062	10x2x1,5	25,0	860	150
22064	12x2x1,5	26,0	975	155
22066	14x2x1,5	28,0	1110	170
22068	19x2x1,5	32,0	1450	195
22070	24x2x1,5	36,0	1785	215

Other sizes on request.

Part number for oil resistant SHF2 cable:

4 + code from above table → 4xxxxx