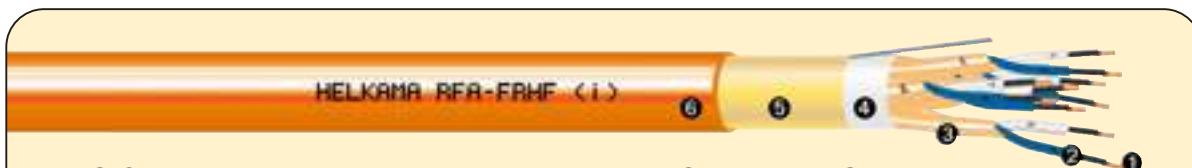


RFA-FRHF (i) Collectively and individually screened instrumentation and communication cable 250 V



DESIGN:

- 1. Conductor**
 - stranded copper conductor IEC 60228, class 2
 - tinned stranded copper conductor on request
- 2. Insulation**
 - Mica tape
 - XLPE plastic IEC 60092-360
- 3. Twisted pair & individual screen**
 - two insulated cores twisted together to form a pair
 - plastic coated aluminium tape and a tinned copper drain wire
- 4. Bedding**
 - separator tape
- 5. Collective screen**
 - drain wire tinned copper
 - aluminium polyester tape coverage 100 % IEC 60092-350
- 6. Sheath**
 - polyolefine plastic, SHF1, standard colour orange IEC 60092-360
 - on request thermosetting polyolefine, SHF2, standard colour black
 - other colours on request

STANDARDS:
IEC 60092-376, design

Flame-retardant ●
Fire-resistant ●
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)	
Maximum conductor temperature	+ 90 °C	
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
Fire-resistant	IEC 60331-1 or IEC 60331-2	
Halogen-free	IEC 60754 series	
Smoke emission	IEC 61034 series	
Oil resistance (only SHF2)	IEC 60811-404 conditions according to 60092-360/SHF2	
For details see general information section		

Electrical data

	0,75mm²	1,5mm²	Unit
Loop resistance of pair, max. / +20°C	52	24,4	ohm/km
Pair capacitance, nom. / 800Hz	55	75	nF/km
Loop inductance, nom.	0,6	0,7	mH/km
Insulation resistance / +20°C	≥1500	≥1500	Mohm/km

Minimum recommended installation temperature -15 °C

Lowest operation temperature -40 °C

Identification: Lot number, cable type, cable size, voltage, temperature, standards, manufacturer's name, production month and meter marking printed on the sheath



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RFA-FRHF(i) 250V	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number				
20664	1x2x0,75	8,5	80	50
20666	2x2x0,75 Quad	9,5	110	55
20667	2x2x0,75	13,0	145	80
20668	3x2x0,75	14,0	190	85
20669	4x2x0,75	15,5	235	90
20671	7x2x0,75	18,5	365	110
20673	8x2x0,75	20,0	415	120
20675	10x2x0,75	23,0	525	140
20677	12x2x0,75	24,0	600	145
20679	14x2x0,75	25,5	680	155
20681	16x2x0,75	27,5	775	165
20683	19x2x0,75	29,5	895	175
20685	24x2x0,75	33,5	1135	200
20687	32x2x0,75	38,0	1465	230
20689	37x2x0,75	40,5	1680	245
21550	1x2x1,5	9,0	105	55
21552	2x2x1,5 Quad	11,0	170	65
21553	2x2x1,5	14,5	210	90
21554	3x2x1,5	16,0	280	95
21555	4x2x1,5	17,5	345	105
21557	7x2x1,5	21,0	545	125
21559	8x2x1,5	23,0	635	135
21561	10x2x1,5	26,5	800	160
21563	12x2x1,5	27,5	920	165
21565	14x2x1,5	29,5	1050	175
21567	16x2x1,5	31,5	1205	190
21569	19x2x1,5	34,0	1415	205
21571	24x2x1,5	38,5	1785	230
21572	27x2x1,5	40,5	1980	245
21573	30x2x1,5	42,5	2190	255
21574	32x2x1,5	44,0	2315	265
21575	37x2x1,5	47,0	2675	280

Other sizes on request.

Core identification

Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

The pairs are also covered by a numbered tape (1, 2, 3, 4, 5....)

Part number for oil resistant SHF2 cable:

4 + code from above table → 4xxxxx



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