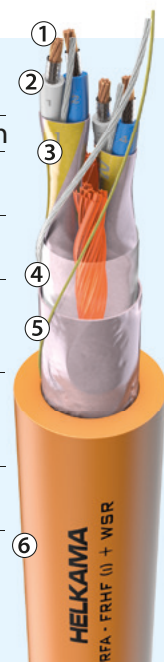


RFA-FRHF(i)+WSR/WJR

Fire Resistant + Water Spray Resistant and/or Water Jet Resistant collectively and individually screened instrumentation and communication cable 250 V

Cable types: RFA-FRHF(i)+WSR (diameter ≤ 20 mm)
RFA-FRHF(i) +WJR (diameter > 20 mm)

DESIGN:	STANDARDS:
1. Conductor	IEC 60092-376, design IEC 60228, class 2
- stranded copper conductor 0,75–2,5 mm ²	
- tinned stranded copper conductor on request	
2. Insulation	IEC 60092-360
- special grade Mica tape(s)	
- XLPE plastic	
3. Twisted unit with individual screen	
- insulated, numbered cores twisted together to form a pair, triple or quad	
- plastic coated aluminium tape and a tinned copper drain wire	
4. Cabling and bedding	
- fillers or dummy cores may be added to obtain symmetrical and round construction	
- separator tape	
5. Collective screen	IEC 60092-350
- drain wire tinned copper	
- aluminium polyester tape coverage 100 %	
6. Sheath	IEC 60092-360
- polyolefine plastic, SHF1, standard colour orange	
- oil resistant thermosetting black polyolefine, SHF2 on request	
- other colours on request	
- rip cord under sheath	



● Halogen-free ● Flame-retardant ● Low smoke emission ● Fire-resistant ● Water Spray and/or Water Jet Resistant

Application: For fixed installation in most areas and on open deck in ships and offshore units. Especially intended to ensure the availability of all critical transportation-, comfort- and safety systems, i.e. to meet the concepts of; **Orderly Evacuation** (3 hours burning time) and **Safe Return to Port** (Fire test with simultaneous Water Spray / Water Jet + mechanical shocks) to simulate the firefighting conditions.

If the cable is exposed to direct sunlight, we recommend cable with black outer sheath or a protective covering.

Main characteristics

Rated voltage	150/250V (300V)
Halogen-free	IEC 60754 series
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
Smoke emission	IEC 61034 series
Fire- and Water Spray Resistant	IEC 60331-2 (180 min test) + EN 50200:2015 Annex E (diameter ≤ 20 mm)
Fire- and Water Jet Resistant	IEC 60331-1 (180 min test) + BS 8491:2008 (diameter > 20 mm)
Oil resistance (only SHF2)	IEC 60811-404 conditions according to 60092-360/SHF2
For details see general information section	

Electrical data:	0,75mm ²	1,5mm ²	Unit
Loop resistance of pair, max. / +20°C	52	24,4	ohm/km
Pair capacitance, nom. / 1 KHz	55	75	nF/km
Loop inductance, nom.	0,6	0,7	mH/km
Insulation resistance / +20°C	≥1500	≥1500	Mohm/km

Recommended minimum bending radius (fixed installation): 4 x outer diameter of the cable

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

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RFA-FRHF (i) +WSR/WJR 250V Part number	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approx- imate weight kg/km	Min. bending radius fixed installation mm
620664	1x2x0,75	8,5	80	50
620666	2x2x0,75 Quad	9,5	110	55
620667	2x2x0,75	13,0	155	80
620669	4x2x0,75	15,5	235	90
620671	7x2x0,75	18,5	365	110
620673	8x2x0,75	20,0	415	120
620675	10x2x0,75	23,0	525	140
620677	12x2x0,75	24,0	600	145
620679	14x2x0,75	25,5	680	155
620681	16x2x0,75	27,5	775	165
620683	19x2x0,75	29,5	895	175
620685	24x2x0,75	33,5	1135	200
620686	30x2x0,75	37,0	1390	220
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621550	1x2x1,5	9,0	105	55
621552	2x2x1,5 Quad	11,0	170	65
621553	2x2x1,5	14,5	230	90
621555	4x2x1,5	17,5	345	105
621557	7x2x1,5	21,0	545	125
621559	8x2x1,5	23,0	635	135
621561	10x2x1,5	26,5	800	160
621563	12x2x1,5	27,5	920	165
621565	14x2x1,5	29,5	1050	175
621567	16x2x1,5	31,5	1205	190
621569	19x2x1,5	34,0	1415	205

Other sizes on request.

Part number for oil resistant SHF2 cable:
4 + code from above table → 4xxxxx