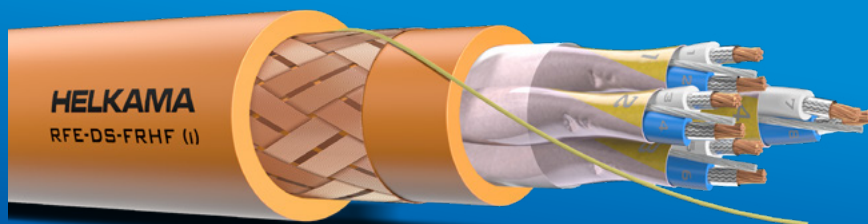


# RFE-DS-FRHF (i)

250 V

Fire-resistant double sheathed armoured and individually screened pair instrumentation and communication cable

250 V CABLES



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

<b>CONDUCTOR</b>	Stranded copper conductor, IEC 60228 Class 2
<b>INSULATION</b>	Mica tape XLPE
<b>TWISTED PAIR &amp; INDIVIDUAL SCREEN</b>	Two insulated cores twisted together to form a pair Aluminium polyester tape and tinned copper drain wire
<b>CABLING</b>	Cabling, pairs twisted together.
<b>INNER SHEATH</b>	Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour orange, other colours on request
<b>ARMOUR</b>	Copper wire braid, coverage > 90% Tinned copper wire braid on request Armour serves as collective screen
<b>SHEATH</b>	Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour orange, SHF2 standard colour black, other colours on request
<b>REFERENCE STANDARD</b>	IEC 60092-376

## APPLICATION

Fire-resistant, double sheathed armoured and individually screened pair instrumentation and communication cable. For fixed installation in most areas, and on open deck in ships and offshore units. 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** DNV, LR, BV

## MAIN CHARACTERISTICS:

<b>RATED VOLTAGE</b>	150/250 V (300 V)
<b>FIRE PERFORMANCE</b>	IEC 60332-1-2 IEC 60332-3-22
<b>FIRE-RESISTANT</b>	IEC 60331-1/IEC 60331-2 (180 min)
<b>HALOGEN-FREE</b>	IEC 60754 series
<b>SMOKE EMISSION</b>	IEC 61034 series
<b>OIL RESISTANCE (SHF2 only)</b>	IEC 60811-404 conditions according to 60092-360/SHF2
<b>MIN. INSTALLATION TEMPERATURE</b>	-15 °C
<b>OPERATING TEMPERATURE</b>	-40 - 80 °C fixed installation
<b>MAXIMUM CONDUCTOR TEMPERATURE</b>	90 °C

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

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## RFE-DS-FRHF (i) 250 V

Part number	No. of conductors x Conductor area (mm <sup>2</sup> )	Nominal inner sheath Ø (mm)	Nominal outer Ø (mm)	Weight (kg/km)	Min. bending radius mm (fixed)
2650104012	1 x 2 x 0.75mm <sup>2</sup>	8.5	11.0	195	65
2650104022	2 x 2 x 0.75mm <sup>2</sup>	13.5	16.0	370	95
2650104032	3 x 2 x 0.75mm <sup>2</sup>	14.5	17.0	435	105
2650104042	4 x 2 x 0.75mm <sup>2</sup>	15.5	18.5	505	110
2650104072	7 x 2 x 0.75mm <sup>2</sup>	19.0	21.5	695	130
2650104082	8 x 2 x 0.75mm <sup>2</sup>	20.0	23.5	800	140
2650104102	10 x 2 x 0.75mm <sup>2</sup>	23.5	27.0	1015	160
2650104122	12 x 2 x 0.75mm <sup>2</sup>	24.5	28.0	1110	170
2650104142	14 x 2 x 0.75mm <sup>2</sup>	26.0	29.5	1225	180
2650104162	16 x 2 x 0.75mm <sup>2</sup>	28.0	31.5	1365	190
2650104192	19 x 2 x 0.75mm <sup>2</sup>	30.0	34.0	1545	205
2650104242	24 x 2 x 0.75mm <sup>2</sup>	33.5	37.5	1930	225
2650104272	27 x 2 x 0.75mm <sup>2</sup>	35.5	39.5	2085	235
2650104302	30 x 2 x 0.75mm <sup>2</sup>	37.5	42.0	2390	250
2650104322	32 x 2 x 0.75mm <sup>2</sup>	38.5	43.0	2515	260
2650104372	37 x 2 x 0.75mm <sup>2</sup>	41.0	45.5	2820	275
2650107012	1 x 2 x 1.5mm <sup>2</sup>	9.5	12.0	235	70
2650107022	2 x 2 x 1.5mm <sup>2</sup>	15.0	18.0	465	105
2650107032	3 x 2 x 1.5mm <sup>2</sup>	16.0	19.0	560	115
2650107042	4 x 2 x 1.5mm <sup>2</sup>	17.5	20.5	655	125
2650107072	7 x 2 x 1.5mm <sup>2</sup>	21.5	24.5	950	150
2650107082	8 x 2 x 1.5mm <sup>2</sup>	23.0	27.0	1115	160
2650107102	10 x 2 x 1.5mm <sup>2</sup>	26.5	30.5	1390	185
2650107122	12 x 2 x 1.5mm <sup>2</sup>	28.0	31.5	1540	190
2650107142	14 x 2 x 1.5mm <sup>2</sup>	29.5	33.5	1710	200
2650107162	16 x 2 x 1.5mm <sup>2</sup>	32.0	36.0	1955	215
2650107192	19 x 2 x 1.5mm <sup>2</sup>	34.5	39.0	2340	235
2650107242	24 x 2 x 1.5mm <sup>2</sup>	39.0	44.0	2935	265
2650107272	27 x 2 x 1.5mm <sup>2</sup>	41.0	46.0	3185	275
2650107302	30 x 2 x 1.5mm <sup>2</sup>	43.0	48.0	3475	290
2650107322	32 x 2 x 1.5mm <sup>2</sup>	44.0	49.0	3635	295
2650107372	37 x 2 x 1.5mm <sup>2</sup>	47.5	52.5	4160	315

G-type with yellow/green earth conductor and G-marking on sheath e.g. 3G1.5 SHF2 on request.