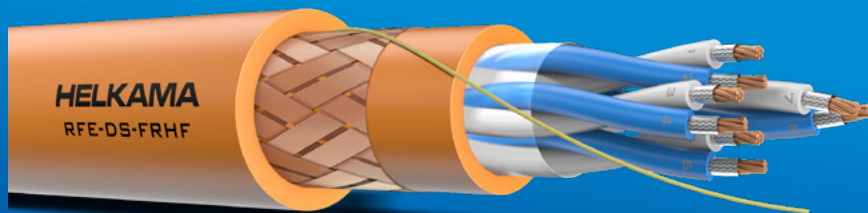


# RFE-DS-FRHF

250 V

Fire-resistant double sheathed armoured 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
<b>TWISTED PAIR</b>	Two insulated cores twisted together to form a pair
<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 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 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)
2630104012	1 x 2 x 0.75mm <sup>2</sup>	10.0	11.0	150	65
2630104013	1 x 3 x 0.75mm <sup>2</sup>	10.0	11.5	170	70
2630104014	2 x 2 x 0.75mm <sup>2</sup> Q	10.0	12.5	195	75
2630104022	2 x 2 x 0.75mm <sup>2</sup>	15.0	16.0	290	95
2630104032	3 x 2 x 0.75mm <sup>2</sup>	15.0	17.0	330	100
2630104042	4 x 2 x 0.75mm <sup>2</sup>	15.0	18.5	390	110
2630104072	7 x 2 x 0.75mm <sup>2</sup>	20.0	21.5	535	130
2630104082	8 x 2 x 0.75mm <sup>2</sup>	20.0	22.5	585	135
2630104102	10 x 2 x 0.75mm <sup>2</sup>	25.0	26.0	725	155
2630104122	12 x 2 x 0.75mm <sup>2</sup>	25.0	27.0	800	160
2630104142	14 x 2 x 0.75mm <sup>2</sup>	25.0	29.5	945	175
2630104162	16 x 2 x 0.75mm <sup>2</sup>	25.0	31.0	1030	185
2630104192	19 x 2 x 0.75mm <sup>2</sup>	30.0	33.0	1175	200
2630104242	24 x 2 x 0.75mm <sup>2</sup>	35.0	36.5	1415	220
2630104272	27 x 2 x 0.75mm <sup>2</sup>	35.0	39.0	1575	235
2630104302	30 x 2 x 0.75mm <sup>2</sup>	35.0	40.5	1715	245
2630104322	32 x 2 x 0.75mm <sup>2</sup>	40.0	41.5	1795	250
2630104372	37 x 2 x 0.75mm <sup>2</sup>	40.0	45.0	2135	270
2630107012	1 x 2 x 1.5mm <sup>2</sup>	10.0	12.0	185	70
2630107013	1 x 3 x 1.5mm <sup>2</sup>	10.0	13.0	230	80
2630107014	2 x 2 x 1.5mm <sup>2</sup> Q	10.0	14.0	265	85
2630107022	2 x 2 x 1.5mm <sup>2</sup>	15.0	17.5	365	105
2630107032	3 x 2 x 1.5mm <sup>2</sup>	15.0	18.5	430	110
2630107042	4 x 2 x 1.5mm <sup>2</sup>	15.0	20.5	515	125
2630107072	7 x 2 x 1.5mm <sup>2</sup>	20.0	24.5	750	145
2630107082	8 x 2 x 1.5mm <sup>2</sup>	25.0	26.5	880	160
2630107102	10 x 2 x 1.5mm <sup>2</sup>	25.0	30.0	1055	180
2630107122	12 x 2 x 1.5mm <sup>2</sup>	25.0	31.0	1175	185
2630107142	14 x 2 x 1.5mm <sup>2</sup>	30.0	33.5	1340	200
2630107162	16 x 2 x 1.5mm <sup>2</sup>	30.0	35.0	1475	210
2630107192	19 x 2 x 1.5mm <sup>2</sup>	35.0	38.0	1725	230
2630107242	24 x 2 x 1.5mm <sup>2</sup>	40.0	42.5	2225	255
2630107272	27 x 2 x 1.5mm <sup>2</sup>	40.0	44.5	2420	265
2630107302	30 x 2 x 1.5mm <sup>2</sup>	40.0	47.0	2665	280
2630107322	32 x 2 x 1.5mm <sup>2</sup>	45.0	48.5	2840	290
2630107372	37 x 2 x 1.5mm <sup>2</sup>	45.0	51.5	3185	310

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