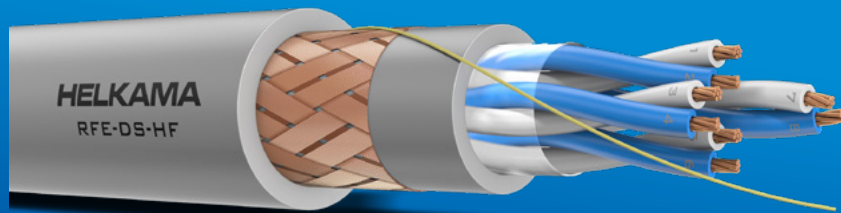


# RFE-DS-HF

250 V

Double sheathed and armoured pair  
instrumentation and communication cable

250 V CABLES



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

<b>CONDUCTOR</b>	Stranded copper conductor, IEC 60228 Class 2
<b>INSULATION</b>	XLPE
<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 grey, 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 grey, other colours on request
<b>REFERENCE STANDARD</b>	IEC 60092-376

## APPLICATION

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 identifi-  
cation number

**MARINE TYPE  
APPROVALS** DNV, LR

## MAIN CHARACTERISTICS:

<b>RATED VOLTAGE</b>	150/250 V (300 V)
<b>FIRE PERFORMANCE</b>	IEC 60332-1-2 IEC 60332-3-22
<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-HF 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)
2620103012	1 x 2 x 0.5	5.5	8.0	95	50
2620103013	1 x 3 x 0.5	6.0	8.5	105	50
2620103014	2 x 2 x 0.5 Q	6.5	9.0	115	55
2620103022	2 x 2 x 0.5	8.5	10.5	145	65
2620103032	3 x 2 x 0.5	8.5	11.0	165	65
2620103042	4 x 2 x 0.5	9.5	12.0	195	70
2620103072	7 x 2 x 0.5	11.5	14.5	305	85
2620103082	8 x 2 x 0.5	12.0	15.5	335	95
2620103102	10 x 2 x 0.5	14.0	17.0	390	100
2620103122	12 x 2 x 0.5	14.5	17.5	425	105
2620103142	14 x 2 x 0.5	15.5	19.0	480	115
2620103162	16 x 2 x 0.5	16.5	20.0	530	120
2620103192	19 x 2 x 0.5	17.5	21.0	590	125
2620103242	24 x 2 x 0.5	20.0	23.5	725	140
2620103272	27 x 2 x 0.5	21.0	24.5	780	145
2620103302	30 x 2 x 0.5	22.0	25.5	840	155
2620103322	32 x 2 x 0.5	22.5	26.0	890	155
2620103372	37 x 2 x 0.5	24.0	28.0	995	170
2620104012	1 x 2 x 0.75	6.5	9.0	115	55
2620104013	1 x 3 x 0.75	7.0	9.5	125	55
2620104014	2 x 2 x 0.75 Q	7.5	10.0	140	60
2620104022	2 x 2 x 0.75	9.5	12.5	185	75
2620104032	3 x 2 x 0.75	10.0	13.0	210	80
2620104042	4 x 2 x 0.75	11.5	14.0	250	85
2620104072	7 x 2 x 0.75	13.5	17.0	395	100
2620104082	8 x 2 x 0.75	14.5	18.0	430	110
2620104102	10 x 2 x 0.75	16.5	20.0	520	120
2620104122	12 x 2 x 0.75	17.5	21.0	585	125
2620104142	14 x 2 x 0.75	19.0	22.0	645	130
2620104162	16 x 2 x 0.75	20.0	23.5	705	140
2620104192	19 x 2 x 0.75	21.5	25.0	815	150
2620104242	24 x 2 x 0.75	24.0	28.0	995	170
2620104272	27 x 2 x 0.75	25.5	29.0	1080	175
2620104302	30 x 2 x 0.75	26.5	30.5	1160	185
2620104322	32 x 2 x 0.75	27.5	31.5	1245	190
2620104372	37 x 2 x 0.75	29.5	33.5	1380	200
2620107012	1 x 2 x 1.5	8.5	11.0	165	65
2620107013	1 x 3 x 1.5	9.0	11.5	190	70
2620107014	2 x 2 x 1.5 Q	10.0	12.5	225	75
2620107022	2 x 2 x 1.5	13.0	16.0	320	95
2620107032	3 x 2 x 1.5	14.0	17.0	390	100
2620107042	4 x 2 x 1.5	15.5	18.5	460	110
2620107072	7 x 2 x 1.5	18.5	22.0	655	130
2620107082	8 x 2 x 1.5	20.0	23.5	735	140
2620107102	10 x 2 x 1.5	23.0	26.5	895	160
2620107122	12 x 2 x 1.5	24.0	28.0	1015	170
2620107142	14 x 2 x 1.5	26.0	29.5	1145	175
2620107162	16 x 2 x 1.5	27.5	31.5	1275	190
2620107192	19 x 2 x 1.5	30.0	34.0	1475	205
2620107242	24 x 2 x 1.5	33.5	38.0	1805	230
2620107272	27 x 2 x 1.5	35.5	39.5	1975	235
2620107302	30 x 2 x 1.5	37.0	42.0	2245	250
2620107322	32 x 2 x 1.5	38.5	43.5	2375	260
2620107372	37 x 2 x 1.5	41.0	46.0	2670	275

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