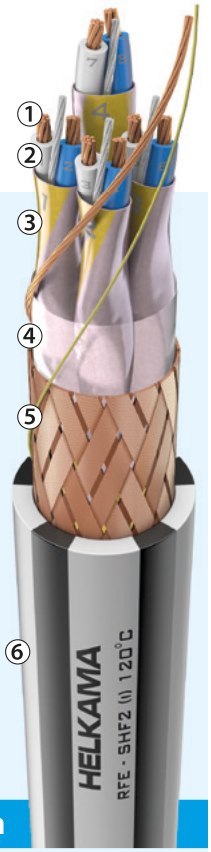
RFE-SHF2 (i) 120°C

Armoured and individually screened instrumentation and communication cable 250V



DESIGN:		STANDARDS: IEC 60092-376, design
1. Conductor	- stranded copper conductor - tinned stranded copper conductor on request	IEC 60228, class 2
2. Insulation	- improved heat resistant XLPE (+120°C)	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	- filler tape	
5. Armour	- copper wire braid, coverage > 90% - tinned copper wire braid on request	IEC 60092-350
6. Sheath	- improved heat resistant SHF2 (+120°C) - standard colour black with grey stripes, other colours on request - rip cord under sheath	IEC 60092-360

● +120°C heat resistant ● Oil resistant ● Flame-retardant ● Halogen-free ● Low smoke emission

Application: For fixed installation in most areas and on open deck in ships or on oil rigs and various industrial use. Excellent resistance against weathering, ozone, UV-rays, Oil / Diesel oil. Typical Marine, Oil, Gas and Petrochemical applications are for example Ship Engine rooms, power plants and/or other areas where ambient temperature may exceed +80°C, which is the limit for traditional IEC 60092-cables.

Main characteristics

Rated voltage	**150/250V (300V)**
Oil resistance	**IEC 60811-404** conditions according to 60092-360
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

Temperature rating:
Fixed installation: **-40 °C** to **+120 °C**
Occasionally moved: **-20 °C** to **+120 °C**
Max. conductor temperature: **+120 °C**

Electrical data:	**0,5mm²**	**0,75mm²**	**1,5mm²**	**Unit**
Loop resistance of pair, max. / +20°C	80	52	24,4	ohm/km
Pair capacitance, nom. / 1 KHz	55	70	90	nF/km
Loop inductance, nom.	0,6	0,6	0,7	mH/km
Insulation resistance / +20°C	≥1500	≥1500	≥1500	Mohm/km

For details see general information section

RFE-SHF2 (i) 120°C 250V Part number	Number of conductors & cross-section n x mm²	Nominal outer diameter mm	Approx-imate weight kg/km	Min. bending radius fixed installation mm
4122338	1x2x0,5	7,0	85	40
4122342	2x2x0,5 Quad	7,5	110	45
4122344	2x2x0,5	9,5	135	60
4122346	3x2x0,5	10,0	165	60
4122348	4x2x0,5	11,0	195	65
4122350	7x2x0,5	13,0	285	75
4122352	8x2x0,5	13,5	345	80
4122354	10x2x0,5	15,5	420	95
4122356	12x2x0,5	16,5	485	100
4122358	14x2x0,5	17,5	535	105
4122360	16x2x0,5	18,5	590	110
4122362	19x2x0,5	19,5	690	120
4122364	24x2x0,5	22,0	840	135
4122366	27x2x0,5	23,0	925	140
4122368	30x2x0,5	24,0	1005	145
4122370	32x2x0,5	24,5	1070	150
4122372	37x2x0,5	26,5	1205	160
4122006	1x2x0,75	7,5	90	45
4122008	2x2x0,75 Quad	8,5	135	50
4122010	2x2x0,75	11,0	160	65
4122012	4x2x0,75	13,0	225	75
4122014	7x2x0,75	15,5	355	95
4122016	8x2x0,75	16,5	400	100
4122018	10x2x0,75	18,5	495	110
4122020	12x2x0,75	19,5	555	115
4122022	14x2x0,75	21,0	620	125
4122024	19x2x0,75	23,5	790	140
4122026	24x2x0,75	26,0	985	155
4122050	1x2x1,5	10,0	145	60
4122052	2x2x1,5 Quad	11,0	170	65
4122054	2x2x1,5	14,5	200	85
4122056	4x2x1,5	17,0	250	105
4122058	7x2x1,5	20,5	405	120
4122060	8x2x1,5	22,0	605	130
4122062	10x2x1,5	25,0	690	150
4122064	12x2x1,5	26,0	840	155
4122066	14x2x1,5	28,0	955	170
4122068	19x2x1,5	32,0	1090	195
4122070	24x2x1,5	36,0	1425	215

Other sizes on request.