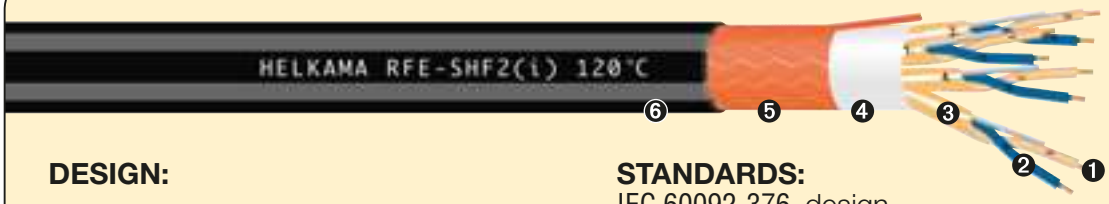
RFE-SHF2 (i) 120°C

Armoured and individually screened instrumentation and communication cable 250V



DESIGN:

STANDARDS:
IEC 60092-376, design

1. Conductor
- stranded copper conductor — IEC 60228, class 2
- tinned stranded copper conductor on request

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% — IEC 60092-350
- tinned copper wire braid on request

6. Sheath
- improved heat resistant SHF2 (+120°C) — IEC 60092-360
- standard colour black with grey stripes, other colours on request

+120°C heat resistant	●
Oil resistant	●
Flame-retardant	●
Fire-resistant	○
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.

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:	-40ºC to +120ºC
Occasionally moved:	-20ºC to +120ºC
Max. conductor temperature:	+120ºC

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. / 800Hz	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

RFE-SHF2(i) 120°C 250V Part number	Number of conductors & cross-section n x mm²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
4122338	1x2x0,5	7,0	85	40
4122342	1x4x0,5	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	1x4x0,75	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
4122049	1x4x1,5	11,0	170	65
4122052	2x2x1,5	14,5	200	85
4122054	4x2x1,5	17,0	250	105
4122056	7x2x1,5	20,5	405	120
4122058	8x2x1,5	22,0	605	130
4122060	10x2x1,5	25,0	690	150
4122062	12x2x1,5	26,0	840	155
4122064	14x2x1,5	28,0	955	170
4122066	19x2x1,5	32,0	1090	195
4122068	24x2x1,5	36,0	1425	215
4122070	32x2x1,5	41,0	1755	245

Other sizes on request.

Core identification: See technical information section

Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....
The pairs are also covered by a numbered tape (1, 2, 3, 4, 5....)

Sheath marking: Lot number, cable type, cable size, voltage, temperature, standards, manufacturer's name, production month and meter marking printed on the sheath

The cable is marine type approved by all major classification societies.
Cable name on type approval certificate is RFE-SHF2(i).