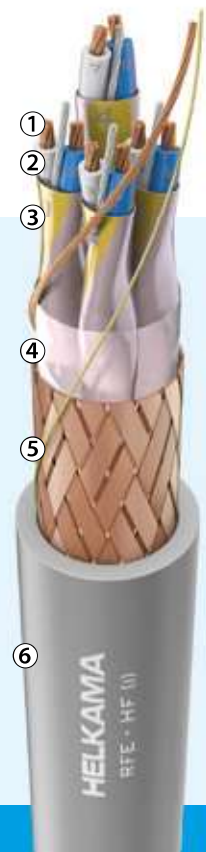


RFE-HF (i)

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	- XLPE plastic	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	- drain wire copper (in all sizes) - copper wire braid, coverage > 94% - tinned copper wire braid on request	IEC 60092-350
6. Sheath	- polyolefine plastic, SHF1 - on request, thermosetting polyolefine, SHF2 - standard colour grey, other colours on request - rip cord under sheath	IEC 60092-360



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

Application: For fixed installation in most areas and on open deck in ships and offshore units. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)
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
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
Oil resistance (only SHF2)	IEC 60811-404 conditions according to 60092-360/SHF2

Electrical data:

	0,5mm ²	0,75mm ²	1,5mm ²	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

Temperature rating: Maximum conductor temperature **+ 90 °C**
Fixed installation **-40 °C to +80 °C**
Minimum recommended installation temperature **- 15 °C**

For details see general information section