

RFE-FRHF (i)

Armoured and individually screened instrumentation and communication cable 250V

DESIGN:	STANDARDS:
1. Conductor	IEC 60092-376, design IEC 60228, class 2 - stranded copper conductor - tinned stranded copper conductor on request
2. Insulation	IEC 60092-360 - Mica tape - XLPE plastic
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	IEC 60092-350 - drain wire copper - copper wire braid, coverage > 94% - tinned copper wire braid on request
6. Sheath	IEC 60092-360 - polyolefine plastic, SHF1, standard colour orange - on request thermosetting polyolefine, SHF2, standard colour black - other colours on request - rip cord under sheath



● Flame-retardant ● Fire-resistant ● 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
Fire-resistant	IEC 60331-1 or IEC 60331-2
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:

	0,75mm ²	1,5mm ²	Unit
Loop resistance of pair, max. / +20°C	52	24,4	ohm/km
Pair capacitance, nom. / 1 KHz	55	75	nF/km
Loop inductance, nom.	0,6	0,7	mH/km
Insulation resistance / +20°C	≥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