

# RFA-FRHF (i) Fire-resistant collectively and pair screened instrumentation and communication cable 250V

**DESIGN:**

**STANDARDS:**  
IEC 60092-376, design

<b>1. Conductor</b>	- stranded copper conductor	IEC 60228, class 2
<b>2. Insulation</b>	- Mica tape - XLPE plastic	IEC 60092-351
<b>3. Twisted pair &amp; pair screen</b>	- two insulated cores twisted together to form a pair - plastic coated aluminium tape and a tinned copper drain wire	
<b>4. Bedding</b>	- separator tape	
<b>5. Collective screen</b>	- drain wire tinned copper - aluminium polyester tape coverage 100 %	IEC 60092-350
<b>6. Sheath</b>	- polyolefine plastic, SHF1 - standard colour orange, other colours on request	IEC 60092-359

**Flame-retardant** ●

**Fire-resistant** ●

**Halogen-free** ●

**Low smoke emission** ●

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

## Main characteristics

Rated voltage	<b>150/250V (300V)</b>	
Maximum conductor temperature	<b>+ 90 °C</b>	
Flame-retardant	<b>IEC 60332-1-2</b> <b>IEC 60332-3-22</b>	-test for single insulated wire and cable -test for bunched wires and cables, category A
Fire-resistant	<b>IEC 60331-21</b>	
Halogen-free	<b>IEC 60754</b> series	
Smoke emission	<b>IEC 61034</b> series	
For details see general information section		

## Electrical data

Loop resistance of pair, max. / +20°C	52	ohm/km
Pair capacitance, nom. / 800Hz	55	nF/km
Loop inductance, nom.	0,6	mH/km
Insulation resistance / +20°C	≥1500	Mohm*km.

0,75mm <sup>2</sup>	Unit
52	ohm/km
55	nF/km
0,6	mH/km
≥1500	Mohm*km.

**Minimum recommended installation temperature -15 °C**  
**Lowest operation temperature -40 °C**

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

RFA-FRHF(i) 250V	Number of conductors & cross-section n x mm <sup>2</sup>	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number				
20667	2x2x0,75	13,5	155	80
20669	4x2x0,75	15,5	245	95
20671	7x2x0,75	18,5	380	110
20673	8x2x0,75	20,0	430	120
20675	10x2x0,75	23,5	545	140
20677	12x2x0,75	24,5	625	145
20679	14x2x0,75	26,0	725	155
20681	16x2x0,75	28,0	810	165
20683	19x2x0,75	30,0	945	180
20685	24x2x0,75	34,0	1205	205
21553	2x2x1,5	15,0	215	90
21555	4x2x1,5	17,5	350	105

### Core identification

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....)

