


RFA-FRHF Fire-resistant screened instrumentation and communication cable 250V



DESIGN:	STANDARDS:
	IEC 60092-376, design
1. Conductor - stranded copper conductor	IEC 60228, class 2
2. Insulation - Mica tape - XLPE plastic	IEC 60092-351
3. Bedding - separator tape	
4. Screen - drain wire tinned copper - aluminium polyester tape coverage 100%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour green, other colours on request	IEC 60092-359

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

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

Electrical data

	0,75mm ²	Unit
Loop resistance of pair, max. / +20°C	52	ohm/km
Pair capacitance, nom. / 800Hz	45	nF/km
Loop inductance, nom.	0,6	mH/km
Insulation resistance / +20°C	≥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

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Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
1x2x0,75	8,0	80	50
1x4x0,75	9,5	135	60
2x2x0,75	13,5	160	85
4x2x0,75	16,0	270	100
7x2x0,75	19,5	425	120
8x2x0,75	20,0	480	120
10x2x0,75	23,0	595	140
12x2x0,75	24,0	680	145
14x2x0,75	26,0	800	160
19x2x0,75	32,0	1145	195
24x2x0,75	35,0	1435	210

Core identification

Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

The four core cable is built up as a star quad with the following identification

- 1 core white
- 2 core blue
- 3 core white
- 4 core blue

