


RFE-FRHF

Fire-resistant armoured 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 - filler tape	
4. Armour - drain wire (in all sizes) - copper wire braid, coverage > 90%	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 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Fire-resistant	IEC 60331-21
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

Electrical data

	0,75mm ²	1,5mm ²	Unit
Loop resistance of pair, max. / +20°C	52	24,4	ohm/km
Pair capacitance, nom. / 800Hz	45	55	nF/km
Loop inductance, nom.	0,6	0,7	mH/km
Insulation resistance / +20°C	≥1500	≥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	10,0	120	60
1x4x0,75	10,5	160	65
2x2x0,75	14,5	210	90
4x2x0,75	17,0	290	105
7x2x0,75	19,5	460	120
8x2x0,75	21,5	505	130
10x2x0,75	24,0	630	145
12x2x0,75	26,0	700	160
14x2x0,75	27,5	780	165
19x2x0,75	31,5	1005	190
24x2x0,75	35,5	1210	215
1x2x1,5	11,0	145	70
1x4x1,5	12,5	200	75
2x2x1,5	16,5	295	100
4x2x1,5	18,5	400	115
7x2x1,5	23,0	585	140
8x2x1,5	24,5	645	150
10x2x1,5	27,0	785	165
12x2x1,5	29,5	960	180
14x2x1,5	31,0	1100	190
19x2x1,5	35,5	1395	215

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

