


RFE-HF Armoured instrumentation and communication cable 250V



DESIGN:	STANDARDS:
	IEC 60092-376, design
1. Conductor	
- stranded copper conductor	IEC 60228, class 2
2. Insulation	
- XLPE plastic	IEC 60092-351
3. Bedding	
- filler tape	
4. Armour	
- drain wire copper (in all sizes)	
- copper wire braid, coverage > 94%	IEC 60092-350
5. Sheath	
- polyolefine plastic, SHF1	IEC 60092-359
- standard colour grey, other colours on request	

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
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

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. / 800Hz	55	50	60	nF/km
Loop inductance, nom.	0,6	0,6	0,7	mH/km
Insulation resistance / +20°C	≥1500	≥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
1x2x0,5	7,5	80	45
1x4x0,5	8,0	100	50
2x2x0,5	9,5	120	60
4x2x0,5	11,5	170	70
7x2x0,5	13,5	240	85
8x2x0,5	15,0	265	90
10x2x0,5	16,5	340	100
12x2x0,5	17,5	390	105
14x2x0,5	18,5	430	115
19x2x0,5	21,5	540	130
24x2x0,5	23,5	650	145
37x2x0,5	28,5	910	175
1x2x0,75	8,0	100	50
1x4x0,75	9,5	130	60
2x2x0,75	12,5	175	75
4x2x0,75	14,0	245	85
7x2x0,75	17,5	375	105
8x2x0,75	18,5	410	115
10x2x0,75	21,0	500	130
12x2x0,75	22,5	555	135
14x2x0,75	23,5	630	145
19x2x0,75	27,5	800	165
24x2x0,75	30,5	960	185
1x2x1,5	10,0	110	60
1x4x1,5	11,0	160	70
2x2x1,5	14,5	200	90
4x2x1,5	16,5	325	100
7x2x1,5	20,5	470	125
8x2x1,5	21,5	525	130
10x2x1,5	24,5	635	150
12x2x1,5	26,0	735	160
14x2x1,5	27,5	815	165
16x2x1,5	29,5	1060	180
19x2x1,5	32,0	1190	195

Other sizes on request.

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

