


RFA-HF (i) Collectively and pair screened instrumentation and communication cable 250V



DESIGN:	STANDARDS:
	IEC 60092-375, design
1. Conductor - stranded copper conductor	IEC 60228, class 2
2. Insulation - XLPE plastic	IEC 60092-351
3. Pair screen - plastic coated aluminium tape and a tinned copper drain wire	
4. Bedding - separator tape	
5. Collective screen - drain wire tinned copper - aluminium polyester tape, coverage 100%	IEC 60092-350
6. Sheath - polyolefine plastic, SHF1 - standard colour grey, 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, especially when lightweight cables are needed. 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	Unit
Loop resistance of pair, max. / +20°C	80	ohm/km
Pair capacitance, nom. / 800Hz	80	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
2x2x0,5	9,5	90	60
4x2x0,5	10,5	140	65
7x2x0,5	13,0	215	80
8x2x0,5	13,5	240	85
10x2x0,5	16,5	295	100
12x2x0,5	17,0	340	105
14x2x0,5	18,5	395	115
19x2x0,5	20,5	530	125
24x2x0,5	23,5	650	145

Other sizes on request.

Core identification

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

The pairs are covered by a numbered tape (1, 2, 3, 4, 5....)

