


RFA-HF Screened 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. Twisted pair - two insulated cores twisted together to form a pair See next page for Quad	
4. Screen - drain wire tinned copper - aluminium polyester-copper tape coverage 100%	IEC 60092-350
5. 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 most 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	0,75mm ²	Unit
Loop resistance of pair, max. / +20°C	80	52	ohm/km
Pair capacitance, nom. / 800Hz	55	50	nF/km
Loop inductance, nom.	0,6	0,6	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

RFA-HF 250V	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number				
20910	1x2x0,5	6,0	45	35
20912	2x2x0,5 Quad	7,0	65	40
20914	2x2x0,5	9,0	75	55
20916	4x2x0,5	10,5	120	65
20918	7x2x0,5	12,5	175	75
20920	8x2x0,5	13,5	200	80
20922	10x2x0,5	15,5	245	95
20924	12x2x0,5	16,0	280	95
20926	14x2x0,5	17,5	315	105
20928	16x2x0,5	18,0	350	110
20930	19x2x0,5	20,0	410	120
20932	24x2x0,5	22,0	515	135
20934	32x2x0,5	25,5	665	150
20936	37x2x0,5	27,0	745	160
20970	1x2x0,75	6,5	55	40
20972	2x2x0,75 Quad	7,5	80	45
20974	2x2x0,75	10,0	100	60
20976	4x2x0,75	11,5	150	70
20978	7x2x0,75	14,0	225	85
20980	8x2x0,75	15,0	260	90
20982	10x2x0,75	17,0	320	100
20984	12x2x0,75	18,0	365	105
20986	14x2x0,75	19,0	415	115
20988	16x2x0,75	20,5	480	125
20990	19x2x0,75	22,0	555	130
20992	24x2x0,75	24,5	680	145

Core identification

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

(Quad)cable is built up as a star quad with the following identification

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

