


RFA-HF

Screened instrumentation and communication cable 250V



| DESIGN: | STANDARDS: |
|---|---------------------|
| | IEC 60092-3, design |
| 1. Conductor - stranded copper conductor | IEC 60228, class 2 |
| 2. Insulation - XLPE plastic | IEC 60092-351 |
| 3. Separator - separator tape | |
| 4. Screen - drain wire tinned copper - aluminium polyestercopper 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 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 | 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

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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 | 6,5 | 45 | 40 |
| 1x4x0,5 | 7,0 | 65 | 45 |
| 2x2x0,5 | 8,5 | 75 | 55 |
| 4x2x0,5 | 11,0 | 120 | 70 |
| 7x2x0,5 | 12,5 | 180 | 75 |
| 8x2x0,5 | 13,5 | 200 | 85 |
| 10x2x0,5 | 15,5 | 255 | 95 |
| 12x2x0,5 | 16,0 | 285 | 100 |
| 14x2x0,5 | 17,5 | 340 | 105 |
| 19x2x0,5 | 20,0 | 435 | 120 |
| 24x2x0,5 | 22,5 | 535 | 135 |
| 37x2x0,5 | 28,0 | 880 | 170 |
| 1x2x0,75 | 7,0 | 60 | 45 |
| 1x4x0,75 | 9,0 | 90 | 55 |
| 2x2x0,75 | 11,0 | 115 | 70 |
| 4x2x0,75 | 13,5 | 170 | 85 |
| 7x2x0,75 | 16,0 | 280 | 100 |
| 8x2x0,75 | 17,0 | 300 | 105 |
| 10x2x0,75 | 20,0 | 365 | 120 |
| 12x2x0,75 | 21,0 | 420 | 130 |
| 14x2x0,75 | 22,5 | 485 | 135 |
| 19x2x0,75 | 26,0 | 635 | 160 |
| 24x2x0,75 | 29,0 | 780 | 175 |

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

