

RFOU (i) S1/S5

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Offshore instrumentation 250 V individually screened

DESIGN

Conductor

Flexible conductor tinned copper, based on IEC 60228.

Insulation

Halogen Free Ethylene propylene, type EPR according to IEC 60092-351.

The standard identification is the following per pair:

- 1 x blue
- 2 x black
- Each pair is numbered.
- 3 x brown (for triads)

Screen

Individual polyester/copper tape with tinned copper drain wire.

Bedding

Halogen Free compound.

Braid / Armour

Tinned copper wire braid.

Outer sheath

Mud resistant thermosetting compound, grey colour, low smoke and halogen free, type SHF MUD.

APPLICATIONS

Offshore instrumentation 250 V individually screened cable. Heavy duty, mud resistant, instrumentation cables for Offshore applications. Halogen free, flame and fire non propagator. Excellent resistance to oils, abrasion, petrochemical fluids, moisture and salt water. Based on IEC 60092-376 and NEK TS 606. These cables offer excellent performance in the harsh environments encountered offshore. Suitable for fixed installations in vessels and oil rigs.

sterk in Kabels



PROPERTIES					
Cross section (mm ²)	Diameter (mm)	Weight (Kg/km)	Open Air 45°C (A)	Voltage drop (V/A · km)	Max. Conductor Resistance at 20°C (Ohm /Km)
1 x 2 x 1,5	11,2	200	23,0	30,30	13,7
2 x 2 x 1,5	17,2	400	18,4	30,30	13,7
4 x 2 x 1,5	19,8	600	15,0	30,30	13,7
7 x 2 x 1,5	22,8	840	12,4	30,30	13,7
12 x 2 x 1,5	29,9	1.200	10,3	30,30	13,7
16 x 2 x 1,5	33,2	1.600	9,4	30,30	13,7
19 x 2 x 1,5	34,7	1.930	9,0	30,30	13,7
24 x 2 x 1,5	41,7	2.400	8,5	30,30	13,7

CHARACTERISTICS

- Flexible conductor
- Minimum bending radius: 6 x cable diameter
- LSZH
- Mechanical stress impact: AG3. High severity
- Oil rigs
- In conduit
- Minimum service temperature: fixed -40°C mobile -25°C
- Meter by meter marking
- Low smoke emission: Light transmittance > 60%
- Outdoor installation: permanent
- Marine use
- Wall attached
- Flame non-propagation
- Low corrosive gases emission
- Water resistance: AD4 splashes
- Public places
- On tray
- Fire non-propagation
- Mud resistance NEK TS 606
- Chemical & oil resistance: excellent
- Open air
- Maximum short-circuit temperature: 250°C (maximum 5 s)

INSTALLATION CONDITIONS

