

# RFOU (c) S2/S6

Offshore instrumentation 250 V collectively 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

Collective 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 collectively 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 <sup>2</sup> )	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	11,1	195	23,0	30,30	13,7
2 x 2 x 1,5	17,0	370	18,4	30,30	13,7
4 x 2 x 1,5	19,5	550	15,0	30,30	13,7
7 x 2 x 1,5	22,5	775	12,4	30,30	13,7
12 x 2 x 1,5	28,9	1.100	10,3	30,30	13,7
16 x 2 x 1,5	32,5	1.350	9,4	30,30	13,7
19 x 2 x 1,5	34,0	1.715	9,0	30,30	13,7
24 x 2 x 1,5	40,4	2.000	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



Maximum service temperature: 90°C



Flame non-propagation



Low corrosive gases emission



Water resistance: AD4 splashes



Public places



On tray



Maximum short-circuit temperature: 250°C (maximum 5 s)



Fire non-propagation



MUD resistance NEK TS 606



Chemical & oil resistance: excellent



Open air

## INSTALLATION CONDITIONS

