

BFOU (i) S3/S7

Fire resistant offshore instrumentation 250 V individually screened

DESIGN

Conductor

Flexible conductor tinned copper, based on IEC 60228.

Insulation

Mica Tape + 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

Fire resistant offshore instrumentation 250 V individually screened cables. These fire resistant cables are specially designed to transmit data in the presence of fire. In case of fire, they do not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. They are also heavy duty, mud resistant 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. Suitable for fixed installations in vessels and oil rigs, assuring the highest level of safety, security and reliability.



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	12,3	230	23,0	30,30	13,7
2 x 2 x 1,5	19,4	485	18,4	30,30	13,7
4 x 2 x 1,5	22,4	700	15,0	30,30	13,7
7 x 2 x 1,5	26,1	950	12,4	30,30	13,7
12 x 2 x 1,5	34,4	1.350	10,3	30,30	13,7
16 x 2 x 1,5	38,7	1.850	9,4	30,30	13,7
19 x 2 x 1,5	40,5	2.400	9,0	30,30	13,7
24 x 2 x 1,5	48,2	3.000	8,5	30,30	13,7

CHARACTERISTICS

- Flexible conductor
- Minimum bending radius: 6 x cable diameter
- LSZH
- Mechanical stress impact: AG3. High severity
- Minimum service temperature: fixed -40°C mobile -25°C
- Flame non-propagation
- Low smoke emission: Light transmittance > 60%
- Outdoor installation: permanent
- Fire non-propagation
- Low corrosive gases emission
- Water resistance: AD4 splashes
- MUD Mud resistance NEK TS 606
- Fire Resistant
- Chemical & oil resistance: excellent

INSTALLATION CONDITIONS

- Oil rigs
- In conduit
- Marine use
- Wall attached
- Public places
- On tray
- Open air

