

BFOU (c) S4/S8

Fire resistant offshore instrumentation 250 V collectively 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

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

Fire resistant offshore instrumentation 250 V collectively screened cables. These fire resistant cable is 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. Oil resistant, halogen free, flame and fire non propagators. 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 | 12,2 | 225 | 23,0 | 30,30 | 13,7 |
| 2 x 2 x 1,5 | 19,2 | 480 | 18,4 | 30,30 | 13,7 |
| 4 x 2 x 1,5 | 22,1 | 690 | 15,0 | 30,30 | 13,7 |
| 7 x 2 x 1,5 | 25,7 | 935 | 12,4 | 30,30 | 13,7 |
| 12 x 2 x 1,5 | 33,4 | 1.250 | 10,3 | 30,30 | 13,7 |
| 16 x 2 x 1,5 | 38,0 | 1.700 | 9,4 | 30,30 | 13,7 |
| 19 x 2 x 1,5 | 39,8 | 2.150 | 9,0 | 30,30 | 13,7 |
| 24 x 2 x 1,5 | 46,9 | 2.700 | 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
- Maximum service temperature: 90°C
- Fire non-propagation
- Low corrosive gases emission
- Water resistance: AD4 splashes
- Maximum short-circuit temperature: 250°C (maximum 5 s)
- Fire Resistant
- MUD Mud resistance NEK TS 606
- Chemical & oil resistance: excellent

INSTALLATION CONDITIONS

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

