

## Off-Shore RFOU / BFOU



Scankab Cables is Denmark's leading cable supplier and we produce and provides rubber cables to great parts of Scandinavia. The quality of our materials and products is well-known and recognized by customers on a global scale. We are continuously working in new cable developments and applications to meet the most demanding markets. One example is our range of Off-Shore cables.



### ✓ OFF-SHORE

BFOU / RFOU are heavy duty mud resistant, power, control, VFD and instrumentation cables for Offshore applications. Suitable for fixed installations in vessels and oil rigs.

All of our cables have been rigorously tested to guarantee their lifespan in such demanding environments.

The design of our RFOU / BFOU cables complies and surpasses the requirements of flame, fire, halogens, oils or smoke emission. Our cables have been designed according to IEC 600092-353 and NEK 606.

### Product range

#### RFOU (Flame Retardant)

- ✓ RFOU P1/P8 – 0,6/1 KV
- ✓ RFOU P2/P9 – 3,6/6 KV
- ✓ RFOU P3/P10 – 6/10 KV
- ✓ RFOU P4/P11 – 8,7/15 KV
- ✓ RFOU P19/P21 – 12/20 KV
- ✓ RFOU P20/P22 – 18/30 KV
- ✓ RFOU(i) S1/S6 – 250 V
- ✓ RFOU(c) S2/S6 – 250 V

#### BFOU (Fire Retardant IEC 60331)

- ✓ BFOU P5/P12 – 0,6/1 KV
- ✓ BFOU(i) S3/S7 – 250 V
- ✓ BFOU(c) S4/S8 – 250 V

#### RFOU VFD

- ✓ RFOU VFD – 0,6/1 KV

## RFOU P1 / P8



### DESIGN

#### Conductor

Circular tinned stranded Cu, class 2

#### Insulation

Ethylene propylene, type EPR according to IEC 60092-351. The standard identification:

- 1 conductor ..... natural
- 2 conductors ..... blue + brown
- 3 conductors ..... brown + black + grey
- 4 conductors ..... brown + black + grey + blue
- 5 or more conductors ..... white numbered

#### Outer sheath

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

### APPLICATIONS

RFOU P1/P8 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

#### Packaging

Available in rolls (lengths of 50 and 100 m) and coils.

Based on: IEC 60092-353, NEK TS 606



### CHARACTERISTICS

- Halogen free
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to 61034
- Min. service temperature: -40°C
- Chemical & Oil resistant
- MUD Mud resistant
- Max. service temperature: 90°C
- Outdoor installation: permanent
- Electromagnetically protected
- Fire retardant acc. to IEC 60332-3
- Water resistant AD8 submerged
- UV resistant
- Impact resistance: medium

### INSTALLATION CONDITIONS

- For use in cable trays
- Open air
- For use on ships
- For use on oil rigs

## BFOU P5/P12



### DESIGN

#### Conductor

Circular tinned stranded Cu, class 2

#### Insulation

Ethylene propylene, type EPR according to IEC 60092-351. The standard identification:

- 1 conductor ..... natural
- 2 conductors ..... blue + brown
- 3 conductors ..... brown + black + grey
- 4 conductors ..... brown + black + grey + blue
- 5 or more conductors ..... white numbered

#### Outer sheath

Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, black

### APPLICATIONS

BFOU P5/P12 is used for permanent installation in the control circuits and lights and emergency lighting and critical offshore units where there are demands for fire safety. For installation in the areas where there is a risk of exposure to the mud, cuttings or cleaning fluids. The cable is fire resistant according to IEC 60331-21 and shielded against electromagnetic interference.

#### Packaging

Available in rolls (lengths of 50 and 100 m) and coils.

Based on: IEC 60092-353, NEK TS 606



### CHARACTERISTICS

- Halogen free
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to 61034
- Min. service temperature: -40°C
- Operation secured acc. to IEC 60331
- MUD Mud resistant
- Max. service temperature: 90°C
- Outdoor installation: permanent
- Electromagnetically protected
- Fire retardant acc. to IEC 60332-3
- Water resistant AD8 submerged
- UV resistant
- Impact resistance: medium
- Chemical & Oil resistant

### INSTALLATION CONDITIONS

- For use in cable trays
- Open air
- For use on ships
- For use on oil rigs