

Based on :

IEC 60092-376 / NEK TS 606

International norm :

IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60331-21, IEC 60092-376, NEK 606: 2044, RoHS, CE, Lloyd's Register, DNV, ABS

# OFFSHORE

# BFOU (i) S3/S7

Fire resistant offshore instrumentation 250 V individually screened

## DESIGN

### Conductor

Circular tinned stranded Cu, class 2

### Insulation

Fire resistant Mica tape helically applied over the conductors

Ethylene propylene rubber (EPR).

Color coded cores twisted together to form a pair/triad.

### Screen

Every pair/triple is screened with copper backed polyester tape in contact with a stranded tinned copper drain wire, wrapped with polyester tape. Pairs/triples are identified by printed numbers on insulated conductors.

Armour: Tinned annealed copper wire braid.

### Filling sheath

Flame retardant and halogen free compound.

### Outer sheath

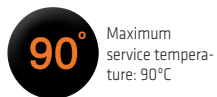
Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, grey (if intrinsically safe blue)

## APPLICATIONS

BFOU(I) S3/S7 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems where requirement for fire resistance exists. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.



## CHARACTERISTICS



Maximum service temperature: 90°C



LSZH



Mechanical stress impact: AG3, High severity



Operation secured acc. to IEC 60331



Oil rigs



On tray



Fire non-propagation



Low smoke emission: Light transmittance > 60%



Water resistance: AD4 splashes



UV-resistant



Marine use



Open air



Mud resistance NEK TS 606



Low corrosive gases emission



UV-resistant



Chemical & oil resistance: excellent



Outdoor installation: permanent



Electromagnetically protection

## INSTALLATION CONDITIONS