



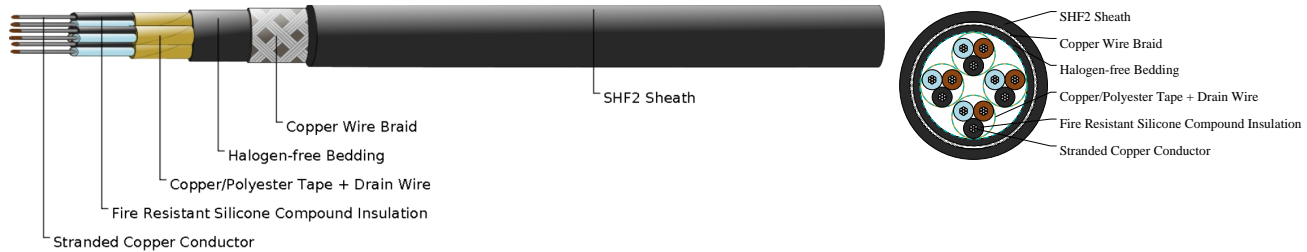
# Caledonian

NEK606 Caledonian Offshore & Marine Cables Telecommunication Cables

www.caledonian-cables.com

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## S112 SFOU(i) 250 V



## APPLICATIONS

These cables are fire resistant, flame retardant, low smoke and halogen free, used for emergency instrumentation, communication, control and alarm systems that need to be operational during a 1100°C hydrocarbon fire.

## STANDARDS

- IEC 60092-376
- IEC 60092-360
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2016
- IEC 60331-21

## VOLTAGE RATING

250V

## CABLE CONSTRUCTION

Conductors: Circular tinned stranded copper wire to IEC 60228 class 2 or class 5.

Insulation: Fire resistant silicone compound.

Twinning: Colour coded cores twisted together.

Individual Screen: Copper backed polyester tape in contact with a stranded tinned copper drain wire.

Bedding: Halogen free compound.

Armour: Tinned copper wire braid.

Outer Sheath: Halogen free thermosetting compound, SHF2.

## MECHANICAL PROPERTIES

Bending Radius: 20×OD (during installation); 12×OD (fixed installed)

Temperature Range: -20°C ~ +90°C

## DIMENSION AND PARAMETERS

| Construction No. of elements×No. | Nominal Insulation Thickness | Diameter under Armour | Approx. Overall Diameter | Approx. Weight |
|----------------------------------|------------------------------|-----------------------|--------------------------|----------------|
|----------------------------------|------------------------------|-----------------------|--------------------------|----------------|



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| of cores in<br>element×Cross<br>section |     |      |      |       |
|---|-----|------|------|-------|
| mm <sup>2</sup>                         | mm  | mm   | mm   | kg/km |
| 4×3×1.0                                 | 0.9 | 19.8 | 25.0 | 970   |