



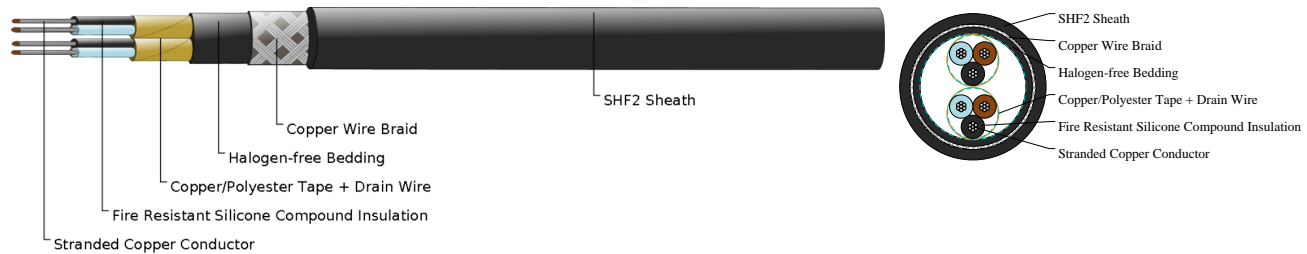
# Caledonian

NEK606 Caledonian Offshore & Marine Cables Telecommunication Cables

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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

## TECHNICAL CHARACTERISTICS



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| Nom. Cross-Section Area | Nom. Conductor Diameter | Maximum Resistance @20°C | Mutual Capacitance | Nominal Inductance @ 1KHz |
|-------------------------|-------------------------|--------------------------|--------------------|---------------------------|
| mm <sup>2</sup>         | mm                      | Ohm/km                   | nF/km              | MH/km                     |
| 1.5                     | 1.6                     | 12.9                     | 85                 | 0.667                     |

### DIMENSION AND PARAMETERS

| Construction No. of elements×No. of cores in element×Cross section | Nominal Insulation Thickness | Diameter under Armour | Approx. Overall Diameter | Approx. Weight |
|--|------------------------------|-----------------------|--------------------------|----------------|
| mm <sup>2</sup>  | mm                           | mm                    | mm                       | kg/km          |
| 2×3×1.5  | 1.0                          | 16.4                  | 24.0                     | 950            |