



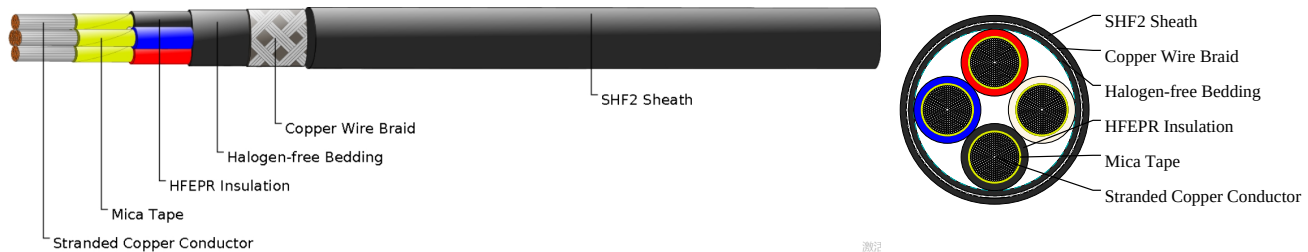
## Caledonian

NEK606 Caledonian Offshore & Marine Cables Fire Resistant Power and Control Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

### P125 SFOU 0.6/1 kV



### APPLICATIONS

These cables are fire resistant, flame retardant, low smoke and halogen free, used for control, power and lighting systems.

### STANDARDS

IEC 60092-353

IEC 60092-360

IEC 60331-21

IEC 60332-1

IEC 60332-3-22

IEC 60754-1,2

IEC 61034-2

NEK 606:2016

### VOLTAGE RATING

0.6/1KV

### CABLE CONSTRUCTION

Conductors: Tinned stranded copper to IEC 60228 class 2 or class 5.

Insulation: Fire resistant silicon compound.

Bedding: Extruded halogen-free compound.

Amour: Tinned copper wire braid.

Outer Sheath: Halogen free thermosetting compound, SHF2, coloured black.

### MECHANICAL PROPERTIES

Bending Radius: 8×OD (during installation); 6×OD (fixed installed)

Temperature Range: -20°C ~ +90°C

### TECHNICAL CHARACTERISTICS

| Nom. Cross-Section Area | Nom. Conductor Diameter | Maximum DC Resistance @20°C | Continuous Current Rating @45°C 3/4 Core | Short Circuit Current 1s |
|-------------------------|-------------------------|-----------------------------|------------------------------------------|--------------------------|
| mm <sup>2</sup>         | mm                      | Ohm/km                      | A                                        | A                        |



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|    |     |       |     |      |
|----|-----|-------|-----|------|
| 50 | 8.7 | 0.391 | 137 | 7150 |
|----|-----|-------|-----|------|

### DIMENSION AND PARAMETERS

| No. of Cores ×<br>Cross-sectional Area | Nominal Insulation<br>Thickness | Diameter<br>under Armour | Approx. Overall<br>Diameter | Nominal<br>Copper Weight |
|----------------------------------------|---------------------------------|--------------------------|-----------------------------|--------------------------|
| No.×mm <sup>2</sup>                    | mm                              | mm                       | mm                          | kg/km                    |
| 4×50                                   | 1.4                             | 31.9                     | 39.0                        | 3440                     |