



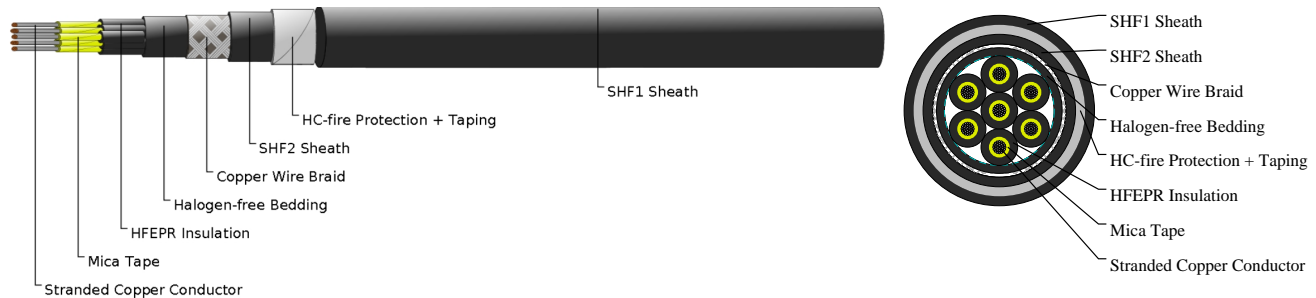
# Caledonian

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

www.caledonian-cables.com

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## P118 (Formerly P34) BFOU-HCF 0.6/1 kV



## APPLICATIONS

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

## STANDARDS

IEC 60092-353

IEC 60092-351

IEC 60092-359

IEC 60331-21

IEC 60332-1

IEC 60332-3-22

IEC 60754-1,2

IEC 61034-1,2

NEK 606:2004

## VOLTAGE RATING

0.6/1KV

## CABLE CONSTRUCTION

Conductors: Tinned annealed stranded compacted copper to IEC 60228 class 2.

Insulation: Mica tape + Halogen free EPR/XLPE.

Bedding: Halogen free compound.

Armour: Tinned copper wire braid.

Outer Sheath1: Halogen free thermosetting compound, SHF2.

HC-fire protection: Extruded thermoplastic fire protection compound.

Taping: Lapped glass fibre tape.

Outer Sheath2: Flame retardant halogen-free thermoplastic compound, SHF1, coloured black

## 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 DC Resistance @20°C | Short Circuit Current 1s |
|-------------------------|-------------------------|-----------------------------|--------------------------|
| mm <sup>2</sup>         | mm                      | Ohm/km                      | A                        |
| 1.5                     | 1.6                     | 12.2                        | 210                      |

### DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-sectional Area | Nominal Insulation Thickness | Nominal Dia. over Bedding | Nominal Diameter Over Sheath 1 | Approx. Overall Diameter | Nominal Copper Weight |
|--|------------------------------|---------------------------|--------------------------------|--------------------------|-----------------------|
| No.×mm <sup>2</sup>                    | mm                           | mm                        | mm                             | mm                       | kg/km                 |
| 7×1.5                                  | 1.0                          | 14.0                      | 17.5                           | 44.5                     | 2550                  |