



# Caledonian

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

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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	Continuous Current Rating @45°C 3/4 Core	Short Circuit Current 1s
mm <sup>2</sup>	mm	Ohm/km	A	A
70	10.3	0.27	169	10020

#### DIMENSION AND PARAMETERS

No. of Cores × 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
3×70	1.4	33.0	39.0	72.0	8150