



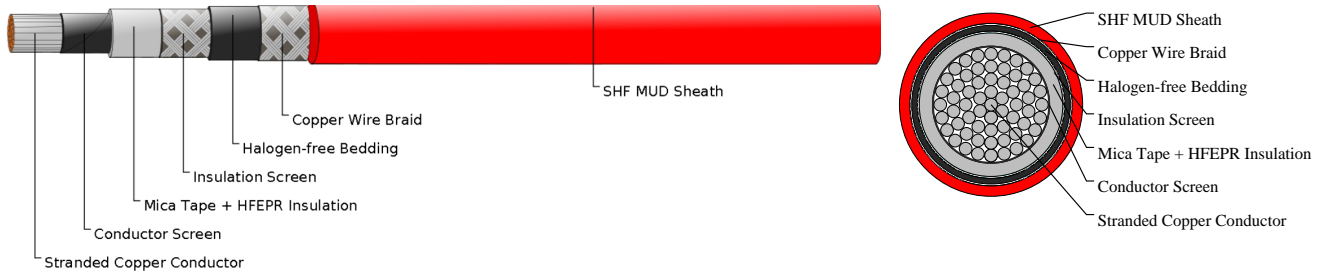
# Caledonian

## NEK606 Caledonian Offshore & Marine Cables Fire Resistant Medium Voltage Power Cables

www.caledonian-cables.com

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### P106 (Formerly P6 or P6/P13) BFOU 3.6/6kV



### APPLICATIONS

These cables are fire resistant, flame retardant, low smoke, halogen free and mud resistant, used for fixed installation for medium voltage power.

### STANDARDS

IEC 60092-354

IEC 60092-351

IEC 60092-359

IEC 60332-1

IEC 60332-3-22

IEC 60754-1,2

IEC 61034-1,2

NEK 606:2004

IEC 60331-21

### VOLTAGE RATING

3.6/6kV

### CABLE CONSTRUCTION

Conductors: Circular tinned annealed stranded copper to IEC 60228 class 2.

Conductor Screen: Semi conducting material.

Insulation: Mica tape + Halogen free EPR.

Insulation Screen: Semi conducting material and tinned copper wire braid.

Bedding: Halogen free compound.

Armour: Tinned copper wire braid.

Outer Sheath: Halogen free thermosetting compound, SHF2 (for TYPE P6), or halogen free mud resistant thermosetting compound, SHF MUD (for TYPE P6/P13), coloured red.

### MECHANICAL PROPERTIES

Bending Radius: 15×OD (during installation); 9×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 1 Core	Short Circuit Current 1s
mm <sup>2</sup>	mm	Ohm/km	A	A
500	27.5	0.0369	780	71540

#### DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Nominal Insulation Thickness	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Approx. Overall Diameter	Approx. Weight
No.×mm <sup>2</sup>	mm	mm	mm	mm	kg/km
1×500	3.2	1.4	2.6	52.1	7030