



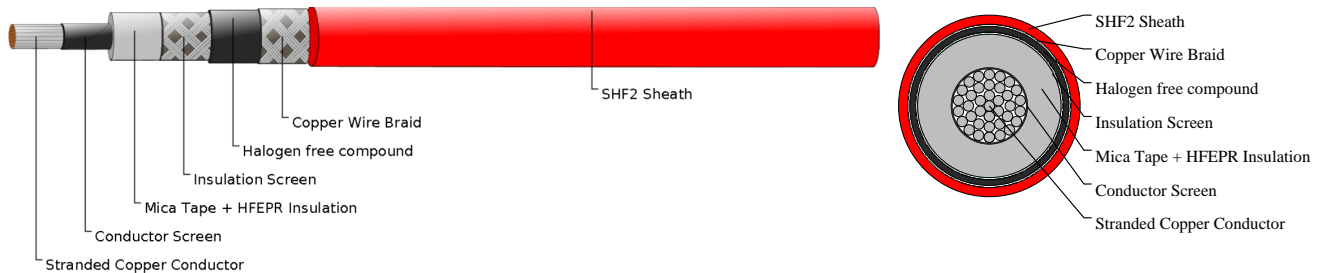
# Caledonian

NEK606 Caledonian Offshore & Marine Cables Medium Voltage Power Cables

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## P113 RFOU 18/30 (36)kV



## APPLICATIONS

These cables are 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

## VOLTAGE RATING

18/30

## CABLE CONSTRUCTION

Conductors: Circular tinned annealed stranded copper to IEC 60228 class 2 or class 5.

Conductor Screen: Semi conducting material.

Insulation: Halogen-free EPR. XLPE can be offered as an option (for TFOU cable).

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

Bedding: Halogen free compound.

Armour: Tinned copper wire braid in accordance with IEC 60092-350.

Outer Sheath: Halogen free thermosetting compound, SHF2, 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
185	17.0	0.1	444	26470

#### DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Nominal Insulation Thickness	Diameter under Armour	Approx. Overall Diameter	Nominal Copper Weight
No. × mm <sup>2</sup>	mm	mm	mm	kg/km
1 × 185	8.0	42.0	50	4310