



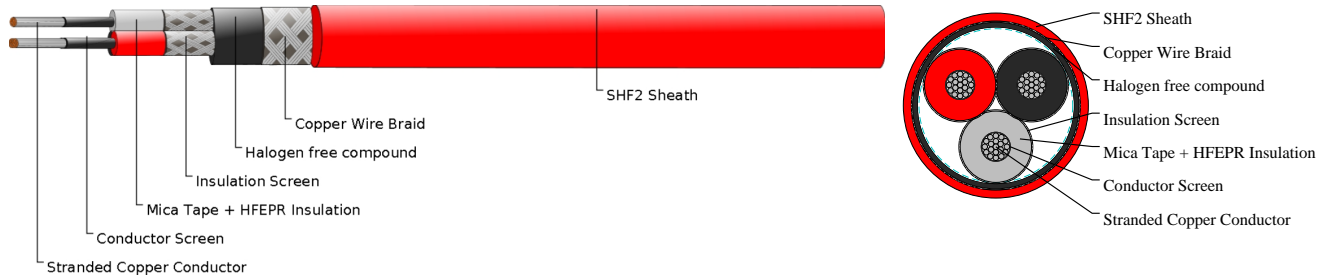
# Caledonian

NEK606 Caledonian Offshore & Marine Cables Medium Voltage Power Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## 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



# Caledonian

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

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

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

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	Diameter under Armour	Approx. Overall Diameter	Nominal Copper Weight
No. × mm <sup>2</sup>	mm	mm	mm	kg/km
3×70	8.0	74.2	85	8530