



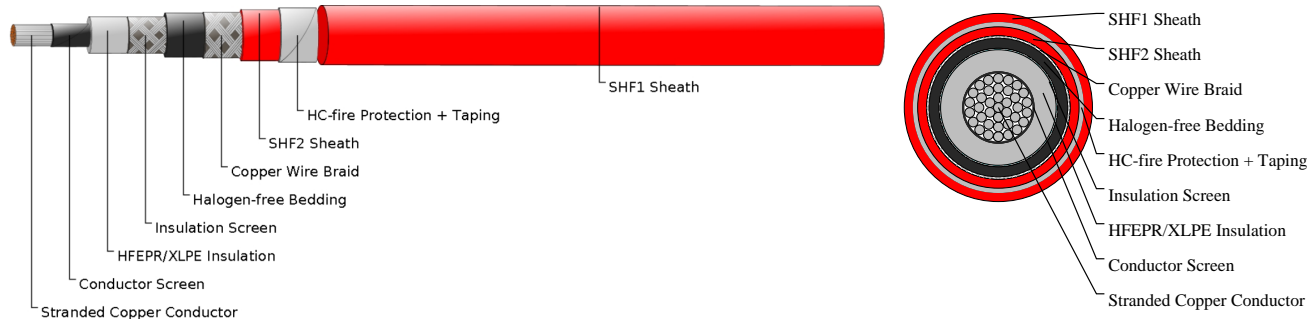
# Caledonian

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

www.caledonian-cables.com

marketing@caledonian-cables.com

### P122 RFOU / TFOU-FIRE RESISTANT 8.7/15 (12) 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 60092-354
- IEC 60092-360
- IEC 60331-21
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2016

### VOLTAGE RATING

8.7/15 (12) kV

### 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 or XLPE.
- 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, coloured red.
- Optional Fire protection: Extruded thermoplastic fire protection compound.
- Optional Taping: Lapped glass fibre tape.
- Optional Sheath: Flame retardant halogen-free thermoplastic compound, SHF1, coloured red.

### MECHANICAL PROPERTIES

Bending Radius: 20×OD (during installation); 12×OD (fixed installed)



# Caledonian

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

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

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

Temperature Range: -20°C ~ +90°C

### TECHNICAL CHARACTERISTICS

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
120	13.8	0.154	339	17170

### DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Nominal Insulation Thickness	Diameter under Armour	Approx. Overall Diameter	Approx. Weight
No. × mm <sup>2</sup>	mm	mm	mm	kg/km
1 × 120	4.5	40.8	52	4040