



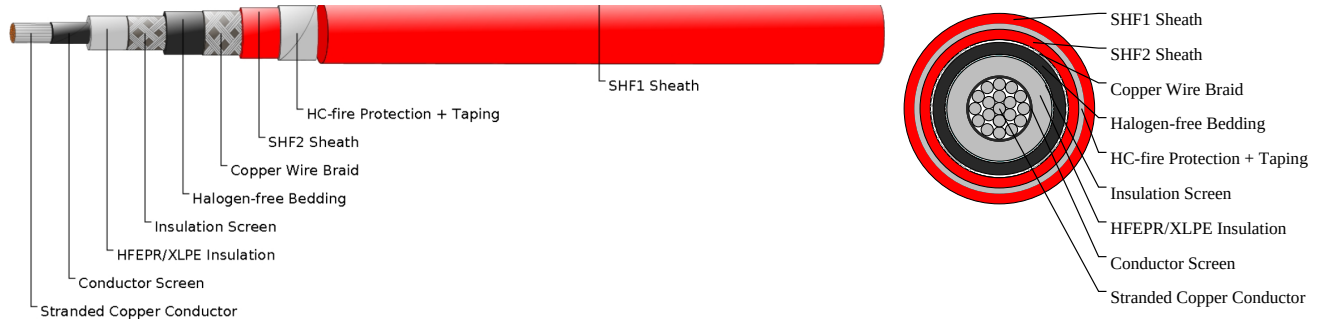
Caledonian

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

www.caledonian-cables.com

marketing@caledonian-cables.com

P121 RFOU / TFOU-FIRE RESISTANT 6/10 (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

6/10 (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)



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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 ²	mm	Ohm/km	A	A
70	10.3	0.27	242	10020

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Nominal Insulation Thickness	Diameter under Armour	Approx. Overall Diameter	Approx. Weight
No.×mm ²	mm	mm	mm	kg/km
1×70	3.4	36.0	47	3090