



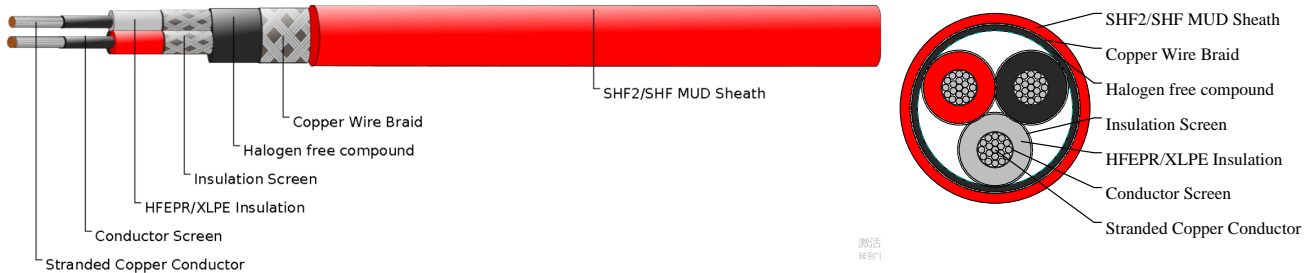
## Caledonian

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

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

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#### P112 (Formerly P19 or P19/P21) RFOU 12/20(24)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

12/20KV

#### CABLE CONSTRUCTION

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

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.

Outer Sheath: Halogen free thermosetting compound, SHF2 (for TYPE P19), or halogen free mud resistant thermosetting compound, SHF MUD (for TYPE P19/P21), 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 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	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Approx. Overall Diameter	Nominal Copper Weight
No.×mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3×70	5.5	1.8	3.1	69.1	7790