



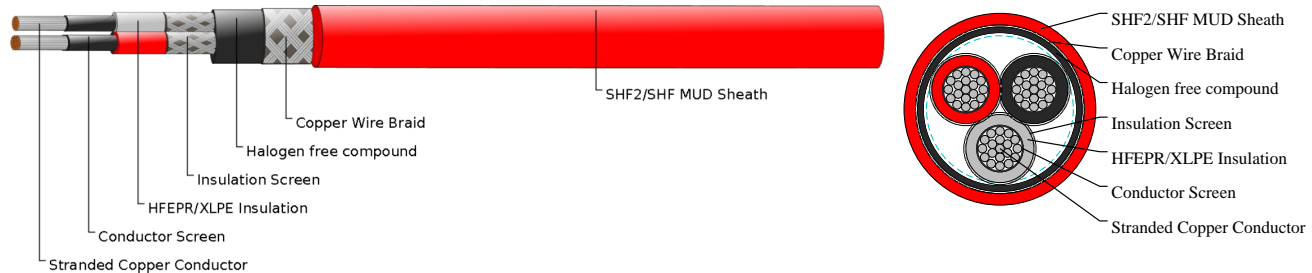
# Caledonian

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

www.caledonian-cables.com

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### P102 (Formerly P2 or P2/P9) RFOU/TFOU 3.6/6KV



### 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

3.6/6KV

### 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 P2), or halogen free mud resistant thermosetting compound, SHF MUD (for TYPE P2/P9), 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                        | 10020                                    | 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                                | 2.5                          | 1.4                            | 2.8                            | 54.8                     | 5585                  |