



## Caledonian

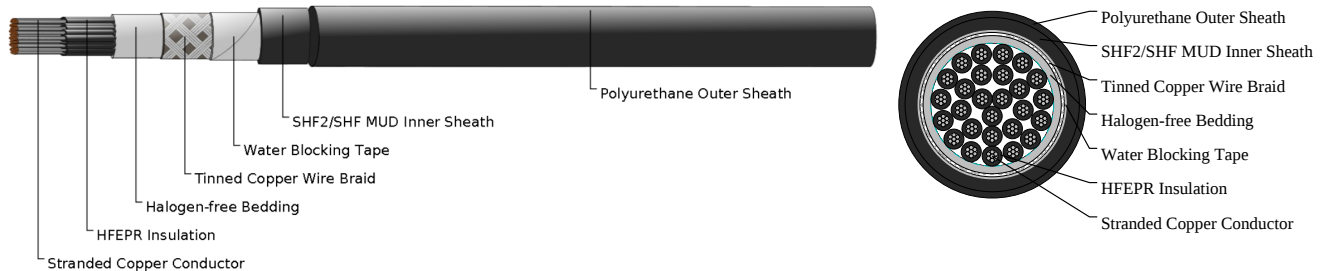
### NEK606 Water Blocked Offshore & Marine Cables

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

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

## Power and Control Cables

Water Blocked P1 or P1/P8 RFOU/TFOU 0.6/1KV 27C2.5



## APPLICATIONS

These cables are partially water blocked, flame retardant, low smoke, halogen free and mud resistant, used for control, power and lighting systems.

## STANDARDS

IEC 60092-353

IEC 60092-360

IEC 60332-1

IEC 60332-3-22

IEC 60754-1,2

IEC 61034-1,2

NEK 606

VG 95218 part 29

## VOLTAGE RATING

0.6/1KV

## CABLE CONSTRUCTION

Conductors: Tinned annealed stranded copper to IEC 60228 class 2

Insulation: Halogen-free EPR. XLPE can be offered as an option (for TFOU cable)

Filler: Water blocking fillers, if required

Bedding: Halogen free compound, PETP wrapping tape will be applied over the bedding, if required

Armour: Tinned copper wire braid, PETP wrapping tape will be applied over the braiding, if required

Water Blocking Elements: Water blocking tape and strings for providing longitudinal water tightness

Inner Sheath: Halogen free thermosetting compound, SHF2 (for TYPE P1). Halogen free, mud resistant thermosetting compound, SHF MUD (for TYPE P1/P8), coloured black

Outer Sheath: Polyurethane for providing transversal water tightness, PE is optional, but can not meet low smoke standard

## PHYSICAL AND THERMAL PROPERTIES

Bending Radius: 8×OD (during installation); 6×OD (fixed installed)



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## NEK606 Caledonian Offshore & Marine Cables Instrumentation Cables

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Temperature Range: -20°C ~ +90°C

### TECHNICAL CHARACTERISTICS

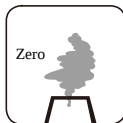
| Nom. Cross-Section Area | Nom. Conductor Diameter | Maximum Resistance @20°C | Short Circuit Current 1s |
|-------------------------|-------------------------|--------------------------|--------------------------|
| mm <sup>2</sup>         | mm                      | Ohm/km                   | A                        |
| 2.5                     | 2.1                     | 7.56                     | 360                      |

### DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-sectional Area | Nominal Insulation Thickness | Nominal Bedding Thickness | Nominal Inner Sheath Thickness | Nominal Outer Sheath Thickness | Nom. Overall Diameter | Cable Weight |
|----------------------------------------|------------------------------|---------------------------|--------------------------------|--------------------------------|-----------------------|--------------|
| No. × mm <sup>2</sup>                  | mm                           | mm                        | mm                             | mm                             | mm                    | kg/km        |
| 27×2.5                                 | 1                            | 1.2                       | 2                              | 1                              | 35.9±2                | 1906         |



Flame Retardant  
IEC 60332-1



Halogen Free  
IEC 60754-1



Low Corrosivity  
IEC 60754-2



Low Smoke Emission  
IEC 61034-2



Reduced Fire Propagation  
IEC 60332-3-22