



## Caledonian

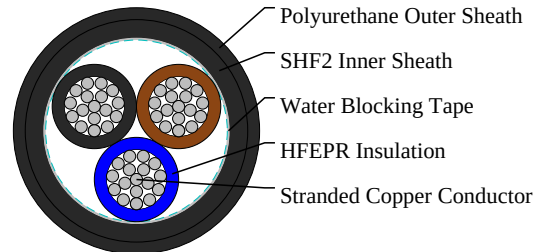
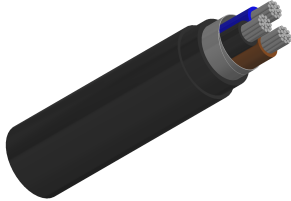
### NEK606 Water Blocked Offshore & Marine Cables

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

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

#### Power and Control Cables

Water Blocked P18 RU 0.6/1KV 3C16



#### APPLICATIONS

These cables are partially water blocked, flame retardant, low smoke and halogen free, 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.

Filler: Water blocking fillers, if required.

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

Inner Sheath: Halogen free thermosetting compound, SHF2, 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)

Temperature Range: -20°C ~ +90°C

#### TECHNICAL CHARACTERISTICS



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NEK606 Caledonian Offshore & Marine Cables Instrumentation Cables

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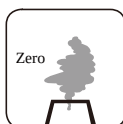
| Nom. Cross-Section Area | Nom. Conductor Diameter | Maximum Resistance @20°C | Continuous Current Rating @45°C 1 Core | Short Circuit Current 1s |
|-------------------------|-------------------------|--------------------------|----------------------------------------|--------------------------|
| mm <sup>2</sup>         | mm                      | Ohm/km                   | A                                      | A                        |
| 16                      | 5.1                     | 1.16                     | 67                                     | 2290                     |

## DIMENSION AND PARAMETERS

| No. of Cores × Cross-sectional Area | Nominal Insulation Thickness | Nominal Inner Sheath Thickness | Nominal Outer Sheath Thickness | Nom. Overall Diameter | Cable Weight |
|-------------------------------------|------------------------------|--------------------------------|--------------------------------|-----------------------|--------------|
| No.×mm <sup>2</sup>                 | mm                           | mm                             | mm                             | mm                    | kg/km        |
| 3×16                                | 1                            | 1.4                            | 1                              | 20.5±2                | 809          |



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