



Caledonian

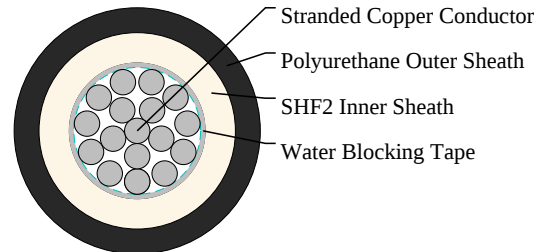
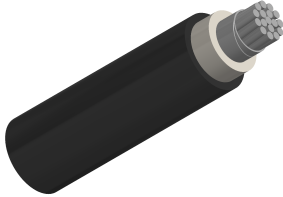
NEK606 Water Blocked Offshore & Marine Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Power and Control Cables

Water Blocked P15 UX 0.6/1KV 1C16



APPLICATIONS

These cables are partially water blocked, flame retardant, low smoke and halogen free, used for earthing and bonding services.

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 or class 5.

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

Inner Sheath: Halogen free thermosetting compound, SHF2. When used as protective earth (PE) wire, the cables coloured yellow/green. When used as single wire, the cables coloured off-white, black, red or blue.

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

PHYSICAL AND THERMAL PROPERTIES

Bending Radius: $8 \times OD$ (during installation); $6 \times OD$ (fixed installed)

Temperature Range: $-20^{\circ}\text{C} \sim +90^{\circ}\text{C}$

TECHNICAL CHARACTERISTICS



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NEK606 Caledonian Offshore & Marine Cables Instrumentation Cables

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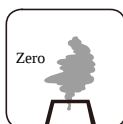
Nom. Cross-Section Area	Nom. Conductor Diameter	Maximum Resistance @20°C	Continuous Current Rating @45°C 1 Core	Short Circuit Current 1s
mm ²	mm	Ohm/km	A	A
16	5.1	1.16	96	2290

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 ²	mm	mm	mm	mm	kg/km
1×16	1	1	1	9.7±2	194



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