



Caledonian

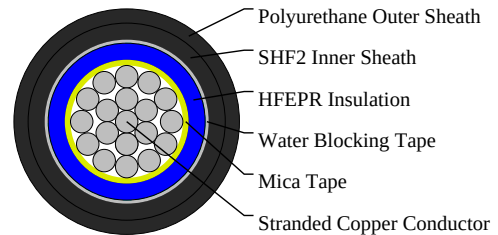
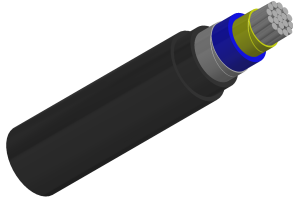
NEK606 Water Blocked Offshore & Marine Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Fire Resistant Power and Control Cables

Water Blocked P17 BU 0.6/1KV 1C50



APPLICATIONS

These cables are partially water blocked, fire resistant, 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

IEC 60331-21

VOLTAGE RATING

0.6/1KV

CABLE CONSTRUCTION

Conductors: Tinned annealed stranded compacted copper to IEC 60228 class 2.

Insulation: Mica tape + 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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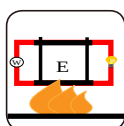
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Nom. Cross-Section Area	Nom. Conductor Diameter	Maximum Resistance @20°C	Continuous Current Rating @45°C 1 Core	Short Circuit Current 1s
mm ²	mm	Ohm/km	A	A
50	8.7	0.391	196	7150

DIMENSION AND PARAMETERS

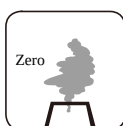
No. of Cores × Cross-sectional Area	Nominal Insulation Thickness	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Nom. Overall Diameter	Cable Weight
No.×mm ²	mm	mm	mm	mm	kg/km
1×50	1.4	1.3	1.2	17.1±2	630



Circuit Integrity
IEC 60331-21



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