



Caledonian

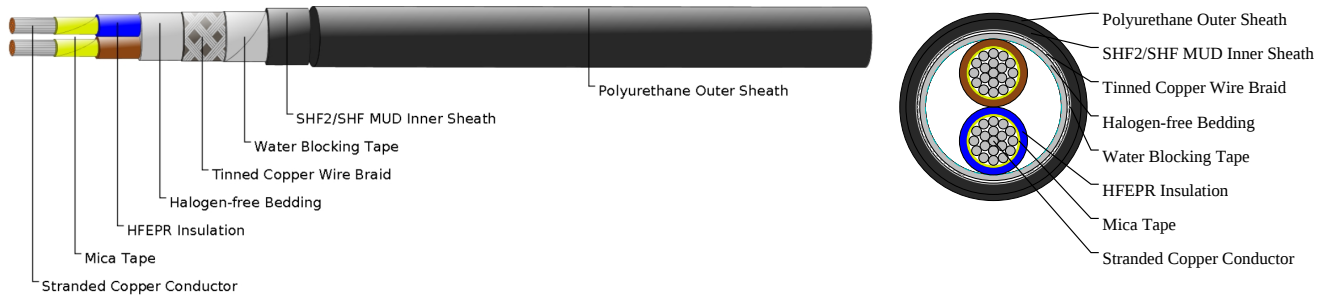
NEK606 Water Blocked Offshore & Marine Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Fire Resistant Power and Control Cables

Water Blocked P5 or P5/P12 BFOU 0.6/1KV 2C50



APPLICATIONS

These cables are partially water blocked, fire resistant, 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

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/Mica tape + XLPE.

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 P5). Halogen free, mud resistant thermosetting compound, SHF MUD (for TYPE P5/P12), coloured black.

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

PHYSICAL AND THERMAL PROPERTIES



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

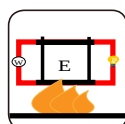
Temperature Range: -20°C ~ +90°C

TECHNICAL CHARACTERISTICS

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	167	7150

DIMENSION AND PARAMETERS

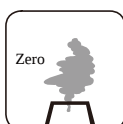
No. of Cores × Cross-sectional Area	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Nom. Overall Diameter	Cable Weight
No.×mm ²	mm	mm	mm	mm	mm	kg/km
2×50	1.4	1.2	1.9	1.2	34.8±2	2405



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