



Caledonian

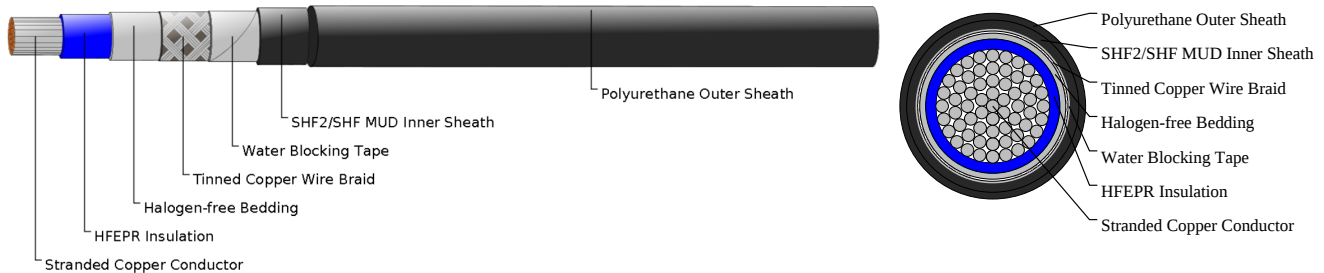
NEK606 Water Blocked Offshore & Marine Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Power and Control Cables

Water Blocked P1 or P1/P8 RFOU/TFOU 0.6/1KV 1C500



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

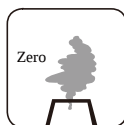
Nom. Cross-Section Area	Nom. Conductor Diameter	Maximum Resistance @20°C	Continuous Current Rating @45°C 1 Core	Short Circuit Current 1s
mm ²	mm	Ohm/km	A	A
500	27.6	0.0369	780	71540

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
1×500	2.4	1.4	2.2	1.6	47.2±2	6489



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