



Caledonian

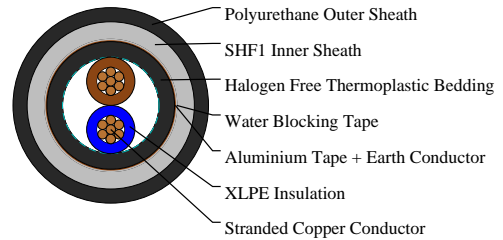
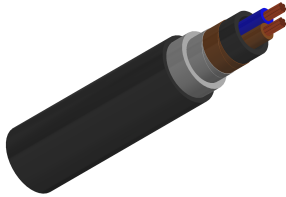
NEK606 Caledonian Offshore & Marine Cables Instrumentation Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Instrumentation Cables

Water Blocked P16 IFLI 250 V 2C2.5



APPLICATIONS

These cables are partially water blocked, flame retardant, low smoke and halogen free, used for living, quarter and office areas.

STANDARDS

IEC 60092-376

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

250V

CABLE CONSTRUCTION

Conductors: Circular stranded copper wire to IEC 60228 class 2.

Insulation: XLPE.

Filler: Water blocking fillers, if required.

Bedding: Halogen free thermoplastic compound.

Metal Screen: Longitudinal aluminium tape, thickness 0.2 mm in contact with a stranded copper earth conductor, PETP wrapping tape will be applied over the bedding, if required.

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

Inner Sheath: Halogen free thermoplastic compound, SHF1, coloured grey.

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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Temperature Range: -20°C ~ +90°C

TECHNICAL CHARACTERISTICS

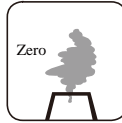
Nom. Cross-Section Area	Maximum Resistance @20°C	Continuous Current Rating @45°C 1 Core	Short Circuit Current 1s
mm ²	Ohm/km	A	A
2.5	7.41	26	360

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
2×1×2.5	0.7	1.1	1.2	1	12±2	189



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