



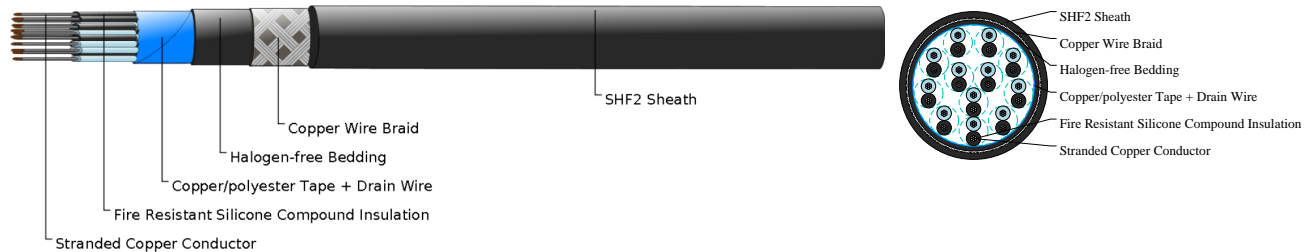
# Caledonian

NEK606 Caledonian Offshore & Marine Cables Telecommunication Cables

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## S113 SFOU(c) 250 V



## APPLICATIONS

These cables are fire resistant, flame retardant, low smoke and halogen free, used for emergency instrumentation, communication, control and alarm systems that need to be operational during a 1100°C hydrocarbon fire.

## STANDARDS

IEC 60092-376

IEC 60092-360

IEC 60332-1

IEC 60332-3-22

IEC 60754-1,2

IEC 61034-1,2

NEK 606:2016

IEC 60331-21

## VOLTAGE RATING

250V

## CABLE CONSTRUCTION

Conductors: Circular tinned stranded copper wire to IEC 60228 class 2 or class 5.

Insulation: Fire resistant silicone compound.

Twinning: Colour coded cores twisted together.

Collective Shielding: Pairs/triples are layed up and collectively screened by copper backed polyester tape in contact with a stranded tinned copper drain wire.

Bedding: Halogen free compound.

Armour: Tinned copper wire braid.

Outer Sheath: Halogen free thermosetting compound, SHF2.

## MECHANICAL PROPERTIES

Bending Radius: 20×OD (during installation); 12×OD (fixed installed)

Temperature Range: -20°C ~ +90°C

## TECHNICAL CHARACTERISTICS



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Nom. Cross-Section Area	Nom. Conductor Diameter	Maximum Resistance @20°C	Mutual Capacitance	Nominal Inductance @ 1KHz
mm <sup>2</sup>	mm	Ohm/km	nF/km	MH/km
1.5	1.6	12.9	85	0.667

### DIMENSION AND PARAMETERS

Construction No. of elements×No. of cores in element×Cross section	Nominal Insulation Thickness	Diameter under Armour	Approx. Overall Diameter	Approx. Weight
mm <sup>2</sup>	mm	mm	mm	kg/km
12×2×1.5	1.0	28.3	38.0	2100