



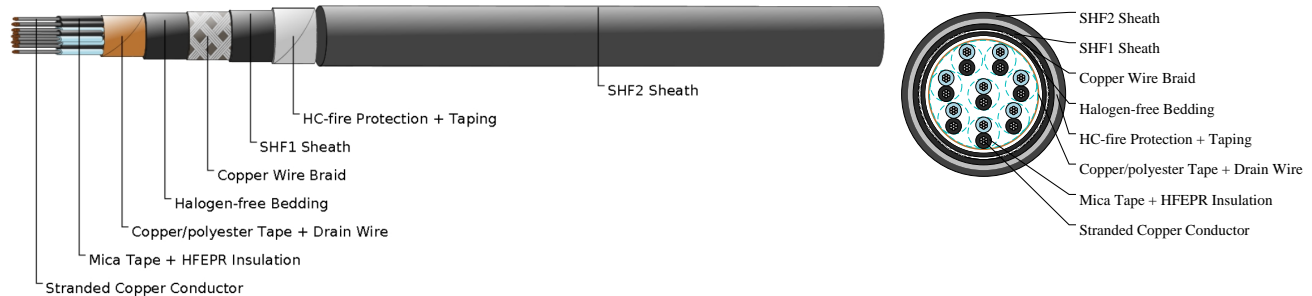
# Caledonian

NEK606 Caledonian Offshore & Marine Cables Fire Resistant Instrumentation Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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## S110 (Formerly S16) BFOU-HCF(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: Mica tape + Halogen free EPR compound or Mica tape + XLPE.

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. Pairs/triples are numbered with numbered tape or by numbers printed directly on the insulated conductors.

Bedding: Halogen free compound.

Armour: Tinned copper wire braid.

Outer Sheath1: Halogen free thermosetting compound, SHF2.

HC-fire protection: Extruded thermoplastic fire protection compound.

Taping: Lapped glass fibre tape.

Outer Sheath2: Flame retardant halogen-free thermoplastic compound, type SHF1, coloured grey (blue for intrinsically safe).



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### MECHANICAL PROPERTIES

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

Temperature Range: -20°C ~ +90°C

### TECHNICAL CHARACTERISTICS

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	Nominal Dia. over Bedding	Nominal Diameter Over Sheath 1	Approx. Overall Diameter	Approx. Weight
mm <sup>2</sup>	mm	mm	mm	mm	kg/km
8×2×1.5	0.7	20.5	25.3	53.0	3570