

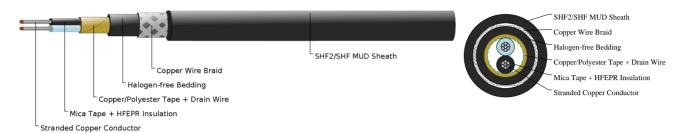
## Caledonian

NEK606 Caledonian Offshore & Marine Cables Fire Resistant Instrumentation Cables

www.caledonian-cables.com

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### S104 (Formerly S4 or S4/S8) BFOU(c) 250V



#### **APPLICATIONS**

These cables are flame retardant, low smoke, halogen free and mud resistant, used for instrumentation, communication, control and alarm systems.

#### **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 annealed 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 Sheath: Halogen free thermosetting compound, SHF2 (formerly TYPE S4). Halogen free MUD resistant thermosetting compound, SHF MUD (for formerly TYPE S4/S8), coloured grey (blue for intrinsically safe).

#### MECHANICAL PROPERTIES

Bending Radius: 8×OD (during installation); 6×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	Maximum L/ R @ 1KHz
mm²	mm	Ohm/km	nF/km	MH/km	μH/Ω
1.0	1.3	19.3	80	0.686	25

#### DIMENSION AND PARAMETERS

Construction No. of elements×No. of cores in element×Cross section	Nominal Insulation Thickness	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Approx. Overall Diameter	Approx. Weight
mm²	mm	mm	mm	mm	kg/km
1×2×1.0	0.6	1.1	1.2	12.5	245