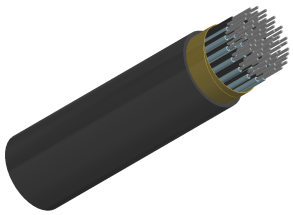
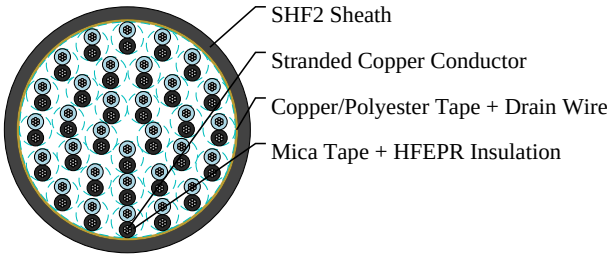
# Caledonian

NEK606 Caledonian Offshore & Marine Cables Fire Resistant Instrumentation Cables

www.caledonian-cables.com marketing@caledonian-cables.com

## S108 (Formerly S14) BU(c) 250 V






## APPLICATIONS

These unarmoured cables are fire resistant, flame retardant, low smoke and halogen free, 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.
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.
Outer Sheath: Halogen free thermosetting compound, SHF2, coloured grey (blue for intrinsically safe).

## MECHANICAL PROPERTIES

Bending Radius: 8×OD (during installation); 6×OD (fixed installed)
Temperature Range: -20℃ ~ +90℃

## 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 |
| 1.5 | 1.6 | 12.9 | 85 | 0.667 | 35 |

## DIMENSION AND PARAMETERS

| Construction No. of elements×No. of cores in element×Cross section | Nominal Insulation Thickness | Nominal Sheath Thickness | Approx. Overall Diameter | Approx. Weight |
|---|---|---|---|---|
| mm² | mm | mm | mm | kg/km |
| 32×2×1.5 | 0.7 | 2.3 | 37.0 | 2095 |