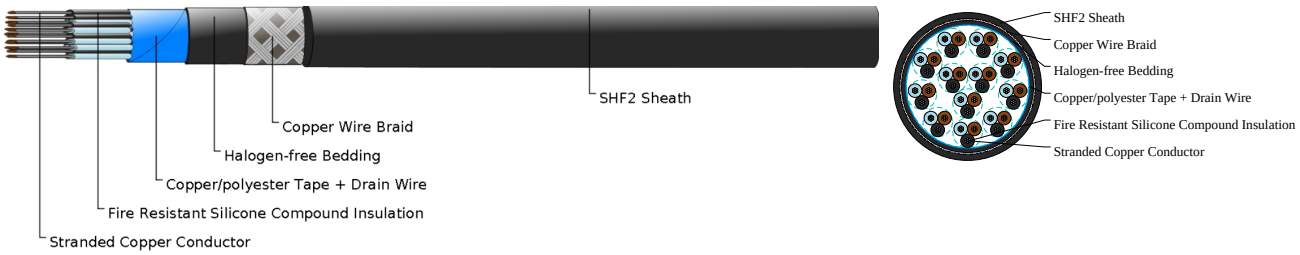
# Caledonian

NEK606 Caledonian Offshore & Marine Cables Telecommunication Cables

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

## 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℃ 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℃ ~ +90℃

## TECHNICAL CHARACTERISTICS

# Caledonian

NEK606 Caledonian Offshore & Marine Cables Telecommunication Cables

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

| Nom. Cross-Section Area | Nom. Conductor Diameter | Maximum Resistance @20°C | Mutual Capacitance | Nominal Inductance @ 1KHz |
|---|---|---|---|---|
| mm² | 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 |
|---|---|---|---|---|
| mm² | mm | mm | mm | kg/km |
| 12×3×1.5 | 1.0 | 32.4 | 43.0 | 2640 |