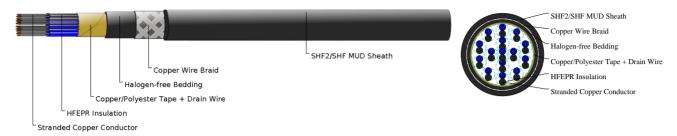


Caledonian

NEK606 Caledonian Offshore & Marine Cables Instrumentation Cables www.caledonian-cables.com marketing@caledonian-cables.com

S102 (Formerly S2 or S2/S6) RFOU(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

VOLTAGE RATING

250V

CABLE CONSTRUCTION

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

Insulation: Halogen free EPR compound or 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 S2). Halogen free MUD resistant thermosetting compound, SHF MUD (formerly TYPE S2/S6), coloured grey (blue for intrinsically safe).

MECHANICAL PROPERTIES

Bending Radius: $8 \times OD$ (during installation); $6 \times OD$ (fixed installed) Temperature Range: $-20^{\circ}C \sim +90^{\circ}C$

TECHNICAL CHARACTERISTICS



Caledonian

NEK606 Caledonian Offshore & Marine Cables Instrumentation 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 | Maximum L/ R @ 1KHz |
|-----------------------------|----------------------------|--------------------------------|-----------------------|---------------------------------|------------------------|
| mm² | mm | Ohm/km | nF/km | MH/km | μH/Ω |
| 0.75 | 1.1 | 26.3 | 80 | 0.682 | 20 |

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 | Nominal Copper Weight |
|--|------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|--------------------------|
| mm² | mm | mm | mm | mm | kg/km |
| 15×2×0.75 | 0.6 | 1.1 | 1.7 | 26.1 | 960 |