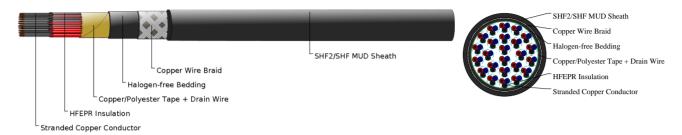


# Caledonian

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×OD (during installation); 6×OD (fixed installed) Temperature Range: -20°C ~ +90°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
1.0	1.3	19.3	90	0.645	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	Nominal Copper Weight
mm²	mm	mm	mm	mm	kg/km
24×3×1.0	0.6	1.2	2.1	37.3	2200