



# Caledonian

NEK606 Caledonian Offshore & Marine Cables Instrumentation Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## S101 (Formerly S1 or S1/S5) RFOU(i) 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.

Individual Shielding: Each pairs/triples are screened by copper backed polyester tape in contact with a stranded tinned copper drain wire and wrapped with polyester tape. 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 S1). Halogen free MUD resistant thermosetting compound, SHF MUD (formerly TYPE S1/S5), 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](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

Nom. Cross-Section Area	Nom. Conductor Diameter	Maximum Resistance @20°C	Mutual Capacitance	Nominal Inductance @ 1KHz	Maximum L/R @ 1KHz
mm <sup>2</sup>	mm	Ohm/km	nF/km	MH/km	μH/Ω
0.75	1.1	26.3	90	0.686	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
mm <sup>2</sup>	mm	mm	mm	mm	kg/km
24×3×0.75	0.6	1.2	2.0	36.0	2220