



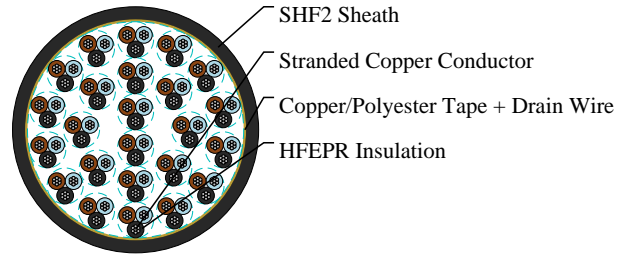
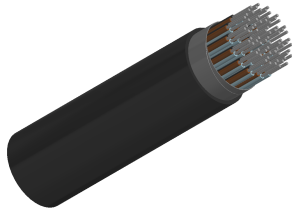
## Caledonian

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)

### S106 (Formerly S12) RU(c) 250 V



### 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.

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°C ~ +90°C

### TECHNICAL CHARACTERISTICS

| Nom. Cross-Section Area | Nom. Conductor Diameter | Maximum Resistance @20°C | Mutual Capacitance | Nominal Inductance @ 1KHz | Maximum L/R @ 1KHz |
|-------------------------|-------------------------|--------------------------|--------------------|---------------------------|--------------------|
|-------------------------|-------------------------|--------------------------|--------------------|---------------------------|--------------------|



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| mm <sup>2</sup> | mm  | Ohm/km | nF/km | MH/km | μH/Ω |
|-----------------|-----|--------|-------|-------|------|
| 1.5             | 1.6 | 12.9   | 100   | 0.632 | 35   |

## DIMENSION AND PARAMETERS

| Construction No.<br>of elements×No.<br>of cores in<br>element×Cross<br>section | Nominal Insulation<br>Thickness | Nominal Sheath<br>Thickness | Approx. Overall<br>Diameter | Approx. Weight |
|--|---------------------------------|-----------------------------|-----------------------------|----------------|
| mm <sup>2</sup>  | mm                              | mm                          | mm                          | kg/km          |
| 24×3×1.5   | 0.7                             | 2.1                         | 36.2                        | 2160           |