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 60092-351
- IEC 60092-359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2004

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).
Electrical Characteristics

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<th>Nominal Cross Section Area</th>
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Mechanical and Thermal Properties

- Bending Radius: 8×OD (during installation); 6×OD (fixed installed)
- Temperature Range: -20°C ~ +90°C

Dimensions and Weight

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<tr>
<th>Construction</th>
<th>No. of elements x No. of cores in element x Cross section (mm²)</th>
<th>Nominal Insulation Thickness mm</th>
<th>Nominal Sheath Thickness mm</th>
<th>Nominal Overall Diameter mm</th>
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### NEK606 Caledonian Offshore & Marine Cables

#### Instrumentation Cables

[www.caledonian-cables.co.uk](http://www.caledonian-cables.co.uk)

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<th>Nominal Sheath Thickness mm</th>
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### NEK606 Caledonian Offshore & Marine Cables

#### Instrumentation Cables

[www.caledonian-cables.co.uk](http://www.caledonian-cables.co.uk)

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