



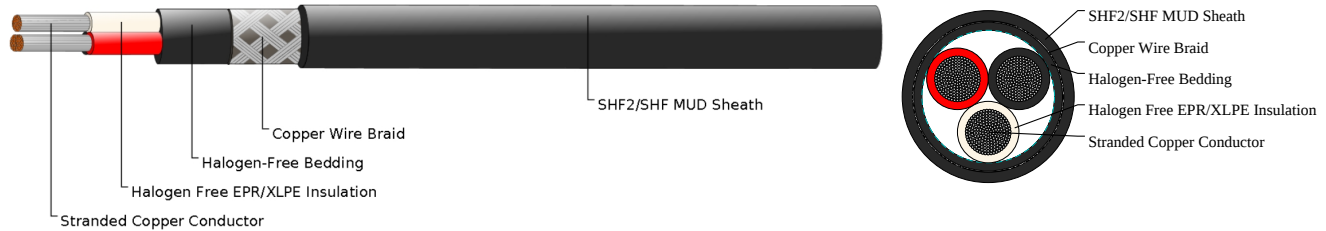
Caledonian

NEK606 Offshore & Marine Cables

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P101 (Formerly P1 or P1/P8) RFOU/TFOU



APPLICATIONS

These cables are flame retardant, low smoke, halogen free and mud resistant, used for control, power and lighting systems.

STANDARDS

IEC 60092-353

IEC 60092-360

IEC 60332-1

IEC 60332-3-22

IEC 60754-1,2

IEC 61034-1,2

NEK 606:2016

VOLTAGE RATING

0.6/1KV

CABLE CONSTRUCTION

Conductors: Tinned annealed stranded copper to IEC 60228 class 2 or class 5.

Insulation: Halogen-free EPR or XLPE.

Bedding: Extruded halogen free compound.

Armour: Tinned copper wire braid in accordance with IEC 60092-350.

Outer Sheath: Halogen free thermosetting compound, SHF2 (TYPE 101, formerly TYPE P1). Halogen free, mud resistant thermosetting compound, SHF MUD (formerly TYPE P1/P8), coloured black.

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 DC Resistance @20°C	Continuous Current Rating @45°C 3/4 Core	Short Circuit Current 1s
mm ²	mm	Ohm/km	A	A



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25.0	6.5	0.734	89	3580
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DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	Nominal Insulation Thickness	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Approx. Overall Diameter	Nominal Copper Weight
No. × mm ²	mm	mm	mm	mm	kg/km
3 × 25	1.2	1.2	1.6	27.5	1620