



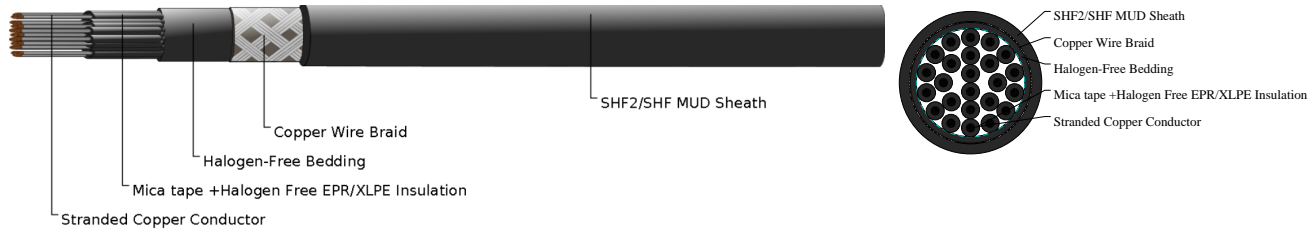
Caledonian

NEK606 Offshore & Marine Cables Fire Resistant Power and Control Cables

www.caledonian-cables.com

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P105 (Formerly P5 or P5/P12) BFOU 0.6/1KV



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
- IEC 60331-21

VOLTAGE RATING

0.6/1KV

CABLE CONSTRUCTION

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

Insulation: Mica tape + Halogen free EPR/Mica tape + XLPE.

Bedding: Halogen free compound.

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

Outer Sheath: Halogen free thermosetting compound, SHF2 (for formerly TYPE P5). Halogen free, mud resistant thermosetting compound, SHF MUD (for formerly TYPE P5/P12), 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 | Short Circuit Current 1s |
|-------------------------|-------------------------|-----------------------------|--------------------------|
| mm ² | mm | Ohm/km | A |



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| | | | |
|-----|-----|------|-----|
| 1.5 | 1.6 | 12.2 | 210 |
|-----|-----|------|-----|

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 |
| 24 × 1.5 | 1.0 | 1.2 | 2.0 | 33.2 | 1510 |