



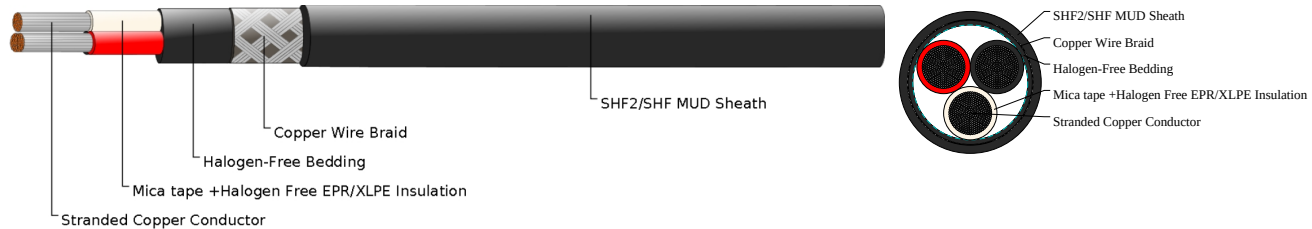
## Caledonian

NEK606 Offshore & Marine Cables Fire Resistant Power and Control Cables

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

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

### 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 | Continuous Current Rating @45°C 3/4 Core | Short Circuit Current 1s |
|-------------------------|-------------------------|-----------------------------|------------------------------------------|--------------------------|
| mm <sup>2</sup>         | mm                      | Ohm/km                      | A                                        | A                        |



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|      |      |      |     |       |
|------|------|------|-----|-------|
| 70.0 | 10.3 | 0.27 | 169 | 10020 |
|------|------|------|-----|-------|

### DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-<br>sectional Area | Nominal<br>Insulation<br>Thickness | Nominal<br>Inner Sheath<br>Thickness | Nominal<br>Outer Sheath<br>Thickness | Approx. Overall<br>Diameter | Nominal<br>Copper Weight |
|--------------------------------------------|------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|--------------------------|
| No. × mm <sup>2</sup>                      | mm                                 | mm                                   | mm                                   | mm                          | kg/km                    |
| 3×70                                       | 1.4                                | 1.2                                  | 2.2                                  | 39.0                        | 3675                     |