



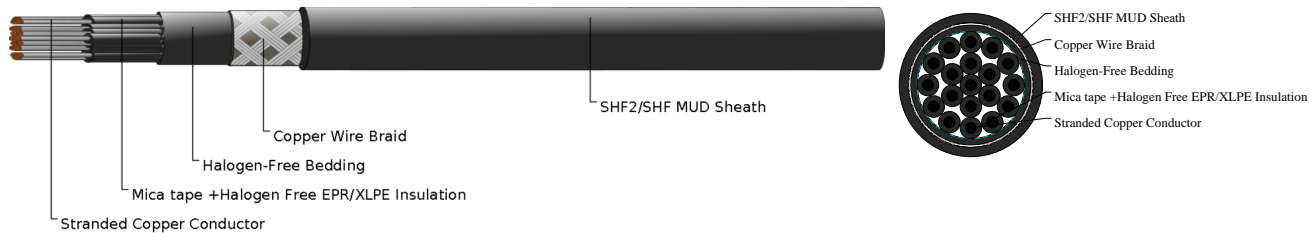
# Caledonian

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 <sup>2</sup>         | mm                      | Ohm/km                      | A                        |



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|     |     |      |     |
|-----|-----|------|-----|
| 2.5 | 2.1 | 7.56 | 360 |
|-----|-----|------|-----|

### 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                    |
| 19×2.5                                     | 1.0                                | 1.2                                  | 1.8                                  | 29.6                        | 1445                     |