



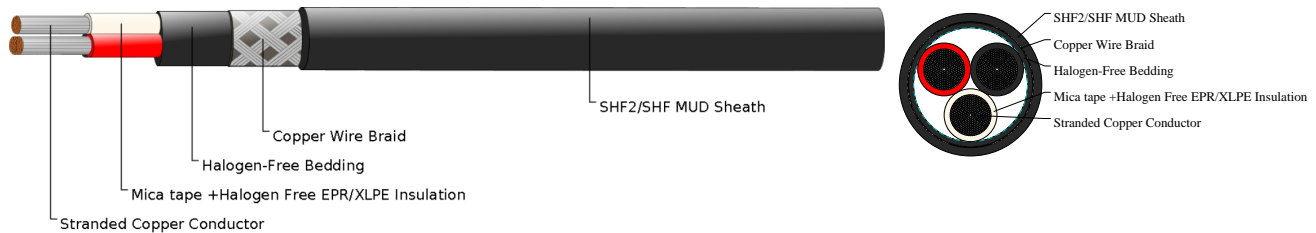
# Caledonian

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	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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50.0	8.7	0.391	137	7150
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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 <sup>2</sup>	mm	mm	mm	mm	kg/km
3×50	1.4	1.2	2.0	34.3	2750