



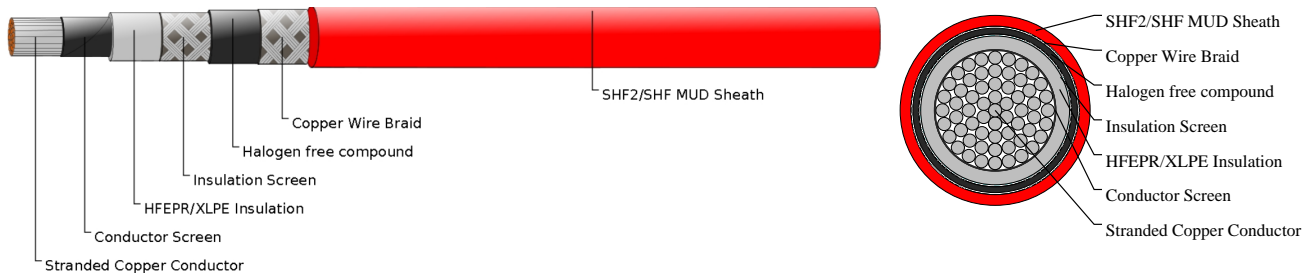
Caledonian

NEK606 Caledonian Offshore & Marine Cables Medium Voltage Power Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

P102 (Formerly P2 or P2/P9) RFOU/TFOU 3.6/6KV



APPLICATIONS

These cables are flame retardant, low smoke, halogen free and mud resistant, used for fixed installation for medium voltage power.

STANDARDS

IEC 60092-354
IEC 60092-351
IEC 60092-359
IEC 60332-1
IEC 60332-3-22
IEC 60754-1,2
IEC 61034-1,2
NEK 606:2004

VOLTAGE RATING

3.6/6KV

CABLE CONSTRUCTION

Conductors: Circular tinned annealed stranded copper to IEC 60228 class 2.

Conductor Screen: Semi conducting material.

Insulation: Halogen-free EPR. XLPE can be offered as an option (for TFOU cable).

Insulation Screen: Semi conducting material and tinned copper wire braid.

Bedding: Halogen free compound.

Armour: Tinned copper wire braid.

Outer Sheath: Halogen free thermosetting compound, SHF2 (for TYPE P2), or halogen free mud resistant thermosetting compound, SHF MUD (for TYPE P2/P9), coloured red.

MECHANICAL PROPERTIES

Bending Radius: 15×OD (during installation); 9×OD (fixed installed)

Temperature Range: -20°C ~ +90°C

TECHNICAL CHARACTERISTICS



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| Nom. Cross-Section Area | Nom. Conductor Diameter | Maximum DC Resistance @20°C | Continuous Current Rating @45°C 1 Core | Short Circuit Current 1s |
|-------------------------|-------------------------|-----------------------------|--|--------------------------|
| mm ² | mm | Ohm/km | A | A |
| 500 | 27.6 | 0.0369 | 780 | 71540 |

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 |
| 1×500 | 3.2 | 1.4 | 2.6 | 50.8 | 6610 |