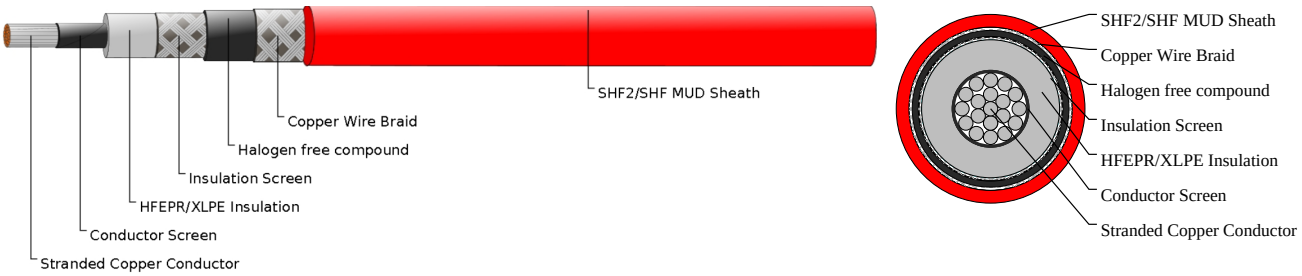
Caledonian

NEK606 Caledonian Offshore & Marine Cables Medium Voltage Power Cables

www.caledonian-cables.com marketing@caledonian-cables.com

P104 (Formerly P4 or P4/P11) RFOU/TFOU 8.7/15KV



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

8.7/15KV

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 P4), or halogen free mud resistant thermosetting compound, SHF MUD (for TYPE P4/P11), coloured red。

MECHANICAL PROPERTIES

Bending Radius: 15×OD (during installation); 9×OD (fixed installed)
Temperature Range: -20℃ ~ +90℃

TECHNICAL CHARACTERISTICS

Caledonian

NEK606 Caledonian Offshore & Marine Cables Medium Voltage Power Cables

www.caledonian-cables.com marketing@caledonian-cables.com

Nom. Cross-Section Area	Nom. Conductor Diameter	Maximum DC Resistance @20°C	Continuous Current Rating @45°C 1 Core	Short Circuit Current 1s
mm²	mm	Ohm/km	A	A
70	10.3	0.27	242	10020

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.×mm²	mm	mm	mm	mm	kg/km
1×70	4.5	1.0	1.9	32.4	1900