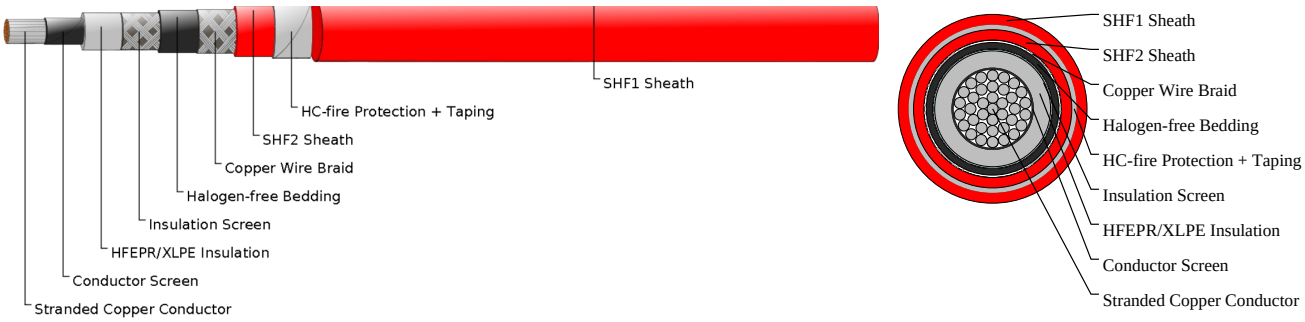
Caledonian

NEK606 Caledonian Offshore & Marine Cables Fire Resistant Medium Voltage Power Cables

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

P114 (Formerly P30) RFOU-HCF / TFOU-HCF 6/10(12) kV



APPLICATIONS

These cables are fire resistant, flame retardant, low smoke and halogen free, used for emergency control, power and lighting systems that need to be operational during a 1100℃ hydrocarbon fire.

STANDARDS

IEC 60092-354
IEC 60092-360
IEC 60331-21
IEC 60332-1
IEC 60332-3-22
IEC 60754-1,2
IEC 61034-1,2
NEK 606:2016

VOLTAGE RATING

6/10(12) kV

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.
Insulation Screen: Semi conducting material and tinned copper wire braid.
Bedding: Halogen free compound.
Armour: Tinned copper wire braid.
Outer Sheath1: Halogen free thermosetting compound, SHF2, coloured red.
HC-fire protection: Extruded thermoplastic fire protection compound.
Taping: Lapped glass fibre tape.
Outer Sheath2: Flame retardant halogen-free thermoplastic compound, SHF1, coloured red.

MECHANICAL PROPERTIES

Bending Radius: 20×OD (during installation); 12×OD (fixed installed)

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Temperature Range: -20℃ ~ +90℃

TECHNICAL CHARACTERISTICS

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
150	15.1	0.126	389	21460

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Nominal Insulation Thickness	Nominal Dia. over Bedding	Nominal Diameter Over Sheath 1	Approx. Overall Diameter	Approx. Weight
No.×mm²	mm	mm	mm	mm	kg/km
1×150	3.4	28.5	35.0	67.5	6670