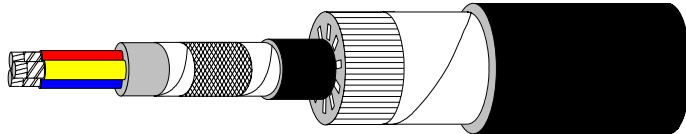


# BFOU-HCF 0,6/1kV / 1100°C / 30-60 minutes

HydroCarbon Fire resistant, flame retardant halogen-free power cable.

**BFOU-HCF 0,6/1kV**  
 MGT/EPR/EPR/TCWB/EVA/HCF/SHF1



**FlexFlame | HCF**

Draka  
 1100°C / 2000°F / 200 kW/m<sup>2</sup>

Operating temperature : 90°C  
 Operating Voltage : 0,6/1kV

## Application

Fixed installation for power, control and lightning in both EX- and safe areas, emergency and critical systems where requirement for fire resistance is vital.

### Standards applied

IEC 60092-353	- Design
Draka Norsk Kabel	- HCF protection
IEC 60228 class 2	- Conductor
IEC 60092-351	- Insulation
IEC 60092-359	- Sheath
IEC 60332-1	- Flame Retardant
IEC 60332-3-22	- Flame Retardant
IEC 60331-21	- Fire Resistant
UL 1709 / ASTM E1529	- HC Fire resistance
IEC 600754-1,2	- Halogen Free
IEC 61034-1,2	- Low Smoke

## Construction

	Code Letter	
<b>Conductor</b>		Tinned stranded circular copper, IEC 60228 class 2
<b>Insulation</b>	<b>B</b>	Mica-tape + EP-rubber, IEC 60092-351 (EPR)
<b>Lay up / Shielding</b>		Cores laid up in concentric layers
<b>Inner covering</b>	<b>F</b>	Flame retardant and halogen-free thermoplastic compound
<b>Tape over bedding</b>		PET tape
<b>Armour/screen</b>	<b>O</b>	Tinned copper wire braid
<b>Tape over armour/screen</b>		PET tape
<b>Outer sheath</b>	<b>U</b>	Flame retardant, halogen-free and mud resistant thermoset compound, SHF2 (IEC 60092-359)
<b>HCF protection</b>	<b>-HCF</b>	Extruded heatblock compound
<b>Tape</b>		Lapped glassfibre tape
<b>Overall sheath</b>		Flame retardant, halogen-free thermoplastic compound, SHF1 (IEC 60092-359)
<b>Marking text</b>		Eg. "meter" "år" DRAKA NORSK KABEL BFOU-HCF 0,6/1kV 3 x 4/6 mm <sup>2</sup> HCF 1100/30 FLEX - FLAME IEC 60331-21 IEC 60332-3-22
<b>Outer sheath colour</b>		Black

[www.drakaMOG.com](http://www.drakaMOG.com)

## BFOU-HCF 0,6/1kV / 1100°C / 30-60 minutes

**Core identification power cables**

Three cores

Red - Yellow - Blue

**Range and dimensions**

Draka Norsk Kabel part no.	Type [mm <sup>2</sup> ]	Diameter over bedding [mm]	Thickness of armour wires [mmØ]	Diameter sheath [mm]	Diameter overall HCF-protection (mm)	Weight of cable approx. [kg/km]
To be agreed in case of an order	3x 4/6	13,0±0,8	0,30	16,5±0,8	43,0±2,5	2400

**ELECTRICAL DATA**

No. of cores x cross section	Conductor resistance DC [Ω/km]		Reactance [Ω/km] at 50 / 60 Hz	Impedance [Ω/km] at 90 °C At 50 / 60 Hz	Continuous current rating at 45 °C	Short circuit [Ampere]	
	at 20 °C	at 90 °C				1 sec	0,3 sec
3x 4/6	4,70	5,99	0,100/0,120	5,993/5,994	28	560	1022

**INSTALLATION DATA**

TYPE [mm <sup>2</sup> ]	Overall Diameter [mmØ]	Minimum bending radius		Maximum pulling tension [N]
		During Installation [mm]	Fixed Installed [mm]	
		<b>20 x D</b>	<b>12 x D</b>	
3x 4/6	43,0±2,5	860	516	600

Minimum installation temperature: - 10 °C