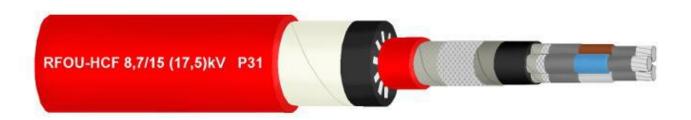
RFOU-HCF 8,7/15 (17,5)kV EPR/EPR/TCWB/EVA/HCF/SHF1

NEK 606 Code S31

1100°C / 2000°F / 200 kW/m²

Hydro Carbon Fire resistant, flame retardant halogen-free medium voltage power cable



Application

Fixed installation for medium voltage (MV) power in both EX- and safe areas, emergency and critical systems where requirement for fire resistance is vital.

Construction

Conductor

Conductor screen semi conductive

Insulation

Insulation screen semi conductive

Lay up / Shielding

Inner covering Tape over bedding

Tape over armour/screen

Outer sheath

Armour/screen

HCF protection Tape

Overall sheath

Marking text

: Tinned stranded and compressed copper (STCC), IEC 60228 class 2

: Semiconductive layer (EP-rubber) : EP-rubber, IEC 60092-360 (EPR)

: Semiconductive layer (EP-rubber)

: Cores are laid up together. Cores are identified by Brown, Black or Grey threads under and over the metallic screen on each conductor

: Flame retardant and halogen-free thermoplastic compound

: PET tape

: Tinned copper wire braid

: PET tape

: Flame retardant, halogen-free and mud resistant thermoset

compound, SHF2 (IEC60092-360) : Extruded heatblock compound

: Lapped glassfibre tape

: Flame retardant, halogen-free thermoplastic compound,

SHF1 (IEC 60092-360)

: E.g. "meter" "year" "manufacturer "RFOU-HCF 6/10(12)kV P30

1x70/16 mm2 HCF 1100/60 FLEX - FLAME

Outer Sheath Colours

Available colours : Red

T:+31(0)168468100

E: sales@incore-cables.com I: www.incore-cables.com



RFOU-HCF 8,7/15 (17,5)kV

Installation recommendations

Operating Voltage : 6/10 (12)kV
Min. Bending Radius during Installation : 20 xD
Min. Bending Radius Fix Installed : 12 xD
Max. Operating Temperature : 90°C
Minimum installation : -10°C

Standards applied

 IEC 60092-353
 Design

 IEC 60332-1-2
 Flame Retardant

 IEC 60331-3-22
 Flame Retardant

 IEC 60331-21
 Fire Resistant

 EN 1363-2 / ISO 834
 HC Fire resistance

 IEC 60754-1,2
 Halogen Free

 IEC 61034-1,2
 Low Smoke

Range and Dimensions

Article Code	Type mm²	Diameter over bedding mm	Thickness of armour wires mm	Diameter sheath mm	Diameter overall incl. HCF protection mm	Weight of Cable Approx. (Kg/Km)	Max. pulling tension (N)
N02F01C070BAKRD8	1x 70/20	26.0 ± 1.5	0.4	32.0 ± 1.5	64.5 ± 3.0	5750	3500
N02F01C120BAKRD8	1x 120/20	29.5 ± 1.5	0.4	36.0 ± 2.0	69.0 ± 3.0	6850	6000
N02F03C035BAKRD8	3x 35/35	49.0 ± 2.0	0.5	57.5 ± 3.0	92.0 ± 4.5	11600	5250

Type mm²	Diameter of copper conductor approx. mm	Insulation thickness, nominal mm	Semiconducting layer thickness approx. mm	Diameter over insulated, screened conductor, approx. mm
1x 70/20	10.3	4.5	0.8	21.8
1x 120/20	13.6	4.5	0.8	26.0
3x 35/35	7.4	4.5	0.8	19.9

The RFOU-HCF MV cables are available on request in all voltage levels from 3,6/6(7,2)kV up to and including 26/45(52)kV. Please be aware that we have a limitation on the cable diameter which allows us to manufacture mainly single core cables on these voltage levels.

Electrical value instrumentation cables

		esistance DC km)	Reactance (Ω/km)	Impedance (Ω/km)at 90°C	Continous Current rating	Short circuit [Ampere]	
section	at 20°C	at 90°C	at 50/60Hz	at 50/60Hz	at 45°C	1 sec	0.3 sec
1x 70/20	0.270	0.339	0.130	0.156	225	9800	17892
1x 120/20	0.154	0.193	0.120	0.144	320	16800	30672
3x 35/35	0.529	0.675	0.122	0.685	100	4900	8946

NOTICE

Incore Cables has endeavored to ensure the accuracy of the data in this publication, however we cannot be liable for the consequences of errors or omissions. All data is subject to change without notice. The installer and/or user assumes all liability for the consequences of the installation and/or use of any of our products in contravention of any applicable law, regulation or code.

T:+31(0)168468100

E : sales@incore-cables.com
I : www.incore-cables.com

