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Evolucable Industria de Cabos Especiais
Av. Minasa, 25 - Galpão B1 - Condomínio Industrial
Business Park -Sumaré/SP - Cep 13.180-400
Sumaré/SP (Fábrica): +55 19 3090-3350
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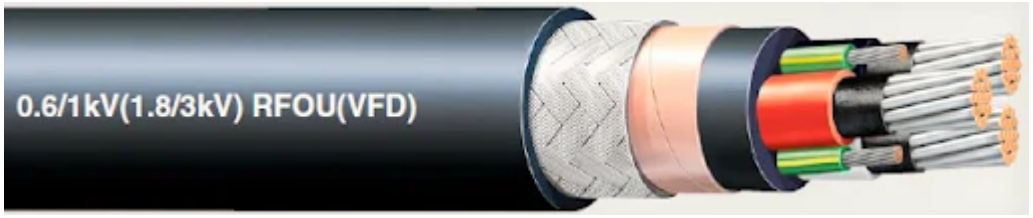
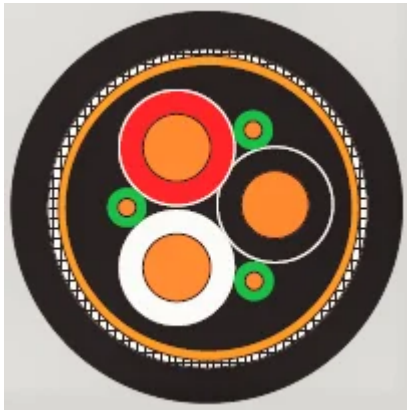
INNOVCABLE Frequency Inverter – 0.6/1kV(1.8/3kV) RFOU(VFD), TFOU(VFD) – SHF2 Resistance





*1) Conductor formed by tinned electrolytic copper wires, soft temper, class 5 stranding, in accordance with IEC 60228. *1*

2) Insulation of conductors in special halogen-free compound LSOH – (Code R(HEPR/EPR), T(XLPE)) – in accordance with IEC 60092-351.

3) Insulated conductors cabled together, non-hygroscopic and flame retardant filaments can be used in the construction of the conductor and tapes can be applied to the conductors.

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4) Inner cover in halogen-free polyolefin compound LSOH – (Code F)

5) Application of copper tape.

*6) Frame: *2*

– Mesh of tinned copper wires (Code 0)

– Bronze wire mesh (Code B)

– Galvanized steel wire mesh (Code C)

7) Final cover in halogen-free polyolefin compound LSOH (SHF2), black. (U Code)

Identification

Conductor colors: Black, White, Red

Earth conductor colors: Green.

OUTDOOR RECORDING: INNOVCABLE 01 RFOU - VFD 0.6/1(1.8/3)kV 3X95 + 3×16 mm²
IEC 60332-3-22

Applicable Specifications

Design: NEK TS 606 and IEC 60092-353

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Conductor: IEC 60228 class 2 or 5

Insulation: IEC 60092-360

Coverage: IEC 60092-360

Flame Retardant: IEC 60332-1 and IEC 60332-3 Category A

Halogen content: IEC 60754-1, 0.5%.

Cold / impact bending : CSA 22.2 No.03 (-40°C/-35°C)

NEK-606

Luminosity transmission in smoke: IEC 61034, 60% >.

Applications

Special cable for Motors and Frequency Inverters / Azimuth Motors up to 1 kV. Suitable for voltage spikes up to 3600V. Armored cable for fixed installations on ships and offshore units. It can be installed and operated both indoors and outdoors.

Maximum Conductor Temperature

90°C

Notes

1) Tinned Copper Conductor can be manufactured in class 2.

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2) Separating tape may be applied before/after the frame.

3) Operating voltage: 0.6/1kV(1.8/3kV)

***Innovcable reserves the right to change this catalog without prior notice.*

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Códigos (NOMENCLATURAS)

Materiais (Nomenclaturas)	Isolamento	Capa Intermediaria	Armação / Blindagem	Capa Externa
Fire Resistant (IEC 60331) Mica + Isolamento (LSZH) - Livre de Halogênio	B			
EPR / Especial HEPR	R			
XLPE	T			
Composto Termoplástico (Livre de Halogênio)	I			
Composto Elastomérico Livre de Halogênio ou EVA	U			
Capa Intermediaria LSZH (Livre de Halogênio)		F		
Anteparo (Enfitamento PE or PP)		Y		
Não armado			X	
Malha de fios cobre nu ou estanhada			O	
Malha de fios de bronze			B	
Malha de fios de aço galvanizado			C	
Composto (Livre de Halogênio) SHF1		I		I
Composto (Livre de Halogênio) SHF2				U
Composto SHF Resistente a "Mud" - Livre de halogênio				U
Composto Resistente a "Mud" - Livre de halogênio				B

Nomenclatura acional

(i)	Blindagem fita de poliéster aluminizada individual
(c)	Blindagem fita de poliéster coletiva
(i& c)	Blindagem fita de poliéster aluminizada individual e coletiva

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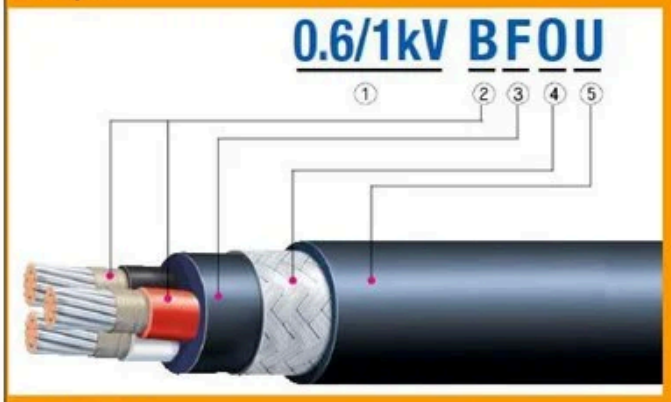
Código cabos tipo NEK 606		
Nomenclatura	**Código H-F**	**Código H-F-M-R**
0.6/1kV RFOU	P1	P1/P8
0.6/1kV BFOU	P5	P5/P12
0.6/1kV RU	P18	-
0.6/1kV BU	P17	-
0.6/1kV UX	P15	P2/P9
250V RFOU(i)	S1	S1/S5
250V RFOU(c)	S2	S2/S6
250V BFOU(i)	S3	S3/S7
250V BFOU(c)	S4	S4/S8

Nota:
H-F - Cabos Livres de Halogênio
H-F-M-R - Cabos Livre de Halogênio e "Mud" Resistente

Exemplo:



① Voltagem
② Camada "Fire Resisting" + isolamento (EPR)
③ Capa intermediaria LSZH
④ Armação (Cobre)
⑤ Capa Externa (SHF2 ou SHF "mud")

CABLE TYPE : 0.6/1kV(1.8/3kV) RFOU(VFD)

No. of Cores	Conductor			Thickness of Insulation	Nominal dia. inner covering	Overall diameter		Cable Weight Approx.	Conductor Resistance [at 20°C] [Max.]	Insulation Resistance [at 20°C] [Min.]
	Nominal Area	Strand	Dia.			Nominal	Tolerance			
No.	mm²	No./mm	mm	mm	mm	mm	±mm	kg/km	Ω/km	MΩ/km
3C	25	7/2.14	6.42	2.2	26.8	33.0	1.6	2,070	0.734	830
3E	6	7/1.04	3.12	1.0					3.110	790
3C	35	7/2.52	7.56	2.2	29.8	36.6	1.8	2,630	0.529	730
3E	6	7/1.04	3.12	1.0					3.110	790
3C	50	19/1.78	8.90	2.2	32.8	39.8	1.9	3,270	0.391	640
3E	10	7/1.35	4.05	1.0					1.840	640
3C	70	19/2.14	10.70	2.2	36.7	44.1	2.1	4,300	0.270	550
3E	16	7/1.70	5.10	1.0					1.160	530