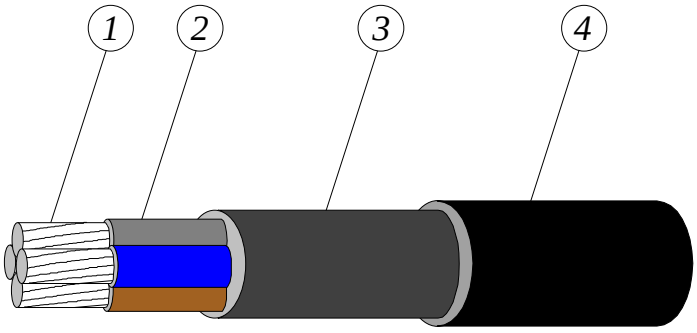
Power cable, HUSK-TFXI 0,6/1kV, Unbraided



Halogen-free cables
HUSK-TFXI 0,6/1kV
Flame retardant
Power cable

Maximum operating conductor temperature **: 85°C**

Operating voltage Uo/U **: 0,6/1kV**

Application

Unarmoured cable for fixed installations on ships where cable protection is not required. For power and control systems. Can be installed and operated both indoors and outdoors.

Standards applied

IEC: 60092-353	- Design guidelines
IEC: 60332-1	- Flame retardance
IEC: 60332-3/A	- Flame retardance
IEC: 60754-1,2	- Halogen free properties
IEC: 61034-1,2	- Low Smoke properties

CONSTRUCTION

	CODE LETTER	
Conductor		Annealed stranded circular non-compacted copper (1)
Insulation	**T**	Cross-linked Polyethylene, XLPE (2)
Bedding	**F**	Flame retardant halogen free compound (3)
Armour	**X**	No armour
Outer sheath	**I**	Flame retardant halogen-free thermoplastic compound, SHF1 (4)
Marking		E.g.: ”meter” ”year” DRAKA KABEL HUSK-TFXI 0,6/1kV 4x2,5 mm² IEC 60332-3/A *ShipLine*
Colour		Black

Core identification (CENELEC HD 308S2):

One core	Black
Two cores	Blue - Brown
Three cores	Brown - Black - Grey
Four cores	Blue - Brown - Black - Grey
Five cores	Blue - Brown - Black - Grey - Black
Six cores and above	Black with white numbers

with yellow/green (optional):

Two cores + earth (3G)	Yellow/green - Blue - Brown
Three cores + earth (4G)	Yellow/green - Brown - Black - Grey
Four cores + earth (5G)	Yellow/green - Blue - Brown - Black - Grey

Draka Kabel

RANGE AND DIMENSIONS: HUSK-TFXI 0,6/1kV Power cable

No. of cores and cond. area (mm²)	Conductor diameter approx. (mmØ)	Thickness of insulation (mm)	Thickness of outer sheath (mmØ)	Diameter outer sheath (mmØ)	Weight of cable Approx. (kg/km)	Resistance at 20°C (Ohm/km)	Reactance at 50Hz (Ohm/km)	Current rating at 45°C (A)	Short circuit rating (A)
2x 1,5	1,57	0,70	1,0	8,6±0,5	110	12,1	0,101	17	210
2x 2,5	2,00	0,70	1,1	9,6±0,5	145	7,41	0,094	24	350
2x 4	2,53	0,70	1,1	10,7±0,8	195	4,61	0,088	32	560
2x 6	3,07	0,70	1,2	12,0±0,8	260	3,08	0,085	41	840
2x 10	3,92	0,70	1,2	13,7±0,8	375	1,83	0,079	57	1400
2x 16	4,97	0,70	1,3	16,0±0,8	540	1,15	0,075	77	2240
3x 1,5	1,57	0,70	1,1	9,2±0,5	130	12,1	0,101	14	210
3x 2,5	2,00	0,70	1,1	10,2±0,8	170	7,41	0,094	20	350
3x 4	2,53	0,70	1,1	11,3±0,8	230	4,61	0,088	27	560
3x 6	3,07	0,70	1,2	12,7±0,8	310	3,08	0,085	34	840
3x 10	3,92	0,70	1,3	14,7±0,8	465	1,83	0,079	47	1400
3x 16	4,97	0,70	1,3	17,0±0,8	675	1,15	0,075	63	2240
3x 25	6,27	0,90	1,5	21,1±1,0	1060	0,727	0,075	84	3500
3x 35	7,50	0,90	1,6	23,9±1,0	1390	0,524	0,072	100	4900
3x 50	8,73	1,00	1,7	28,3±1,0	1920	0,387	0,072	125	7000
3x 70	10,53	1,10	1,9	33,1±1,5	2700	0,268	0,072	160	9800
3x 95	12,43	1,10	2,0	37,8±1,5	3660	0,193	0,069	195	13300
3x 120	13,93	1,20	2,2	42,0±2,0	4590	0,153	0,069	225	16800
3x 150	15,51	1,40	2,3	46,3±2,0	5615	0,124	0,069	255	21000
4x 1,5	1,57	0,70	1,1	10,0±0,8	155	12,1	0,113	14	210
4x 2,5	2,00	0,70	1,1	11,1±0,8	205	7,41	0,107	20	350
4x 4	2,53	0,70	1,2	12,6±0,8	290	4,61	0,101	27	560
4x 6	3,07	0,70	1,2	13,9±0,8	380	3,08	0,097	34	840
4x 10	3,92	0,70	1,3	16,1±0,8	580	1,83	0,091	47	1400
4x 16	4,97	0,70	1,4	18,9±0,8	855	1,15	0,088	63	2240
5x 1,5	1,57	0,70	1,1	10,9±0,8	190	12,1	-	12	210
5x 2,5	2,00	0,70	1,2	12,3±0,8	235	7,41	-	16	350
6x 1,5	1,57	0,70	1,1	11,4±0,8	175	12,1	-	10	210
7x 1,5	1,57	0,70	1,1	11,5±0,8	190	12,1	-	10	210
8x 1,5	1,57	0,70	1,2	12,7±0,8	230	12,1	-	9	210
10x 1,5	1,57	0,70	1,2	14,6±0,8	275	12,1	-	9	210
12x 1,5	1,57	0,70	1,3	15,3±0,8	315	12,1	-	9	210
16x 1,5	1,57	0,70	1,3	17,0±0,8	410	12,1	-	8	210
19x 1,5	1,57	0,70	1,4	18,1±0,8	480	12,1	-	8	210
24x 1,5	1,57	0,70	1,5	21,3±1,0	635	12,1	-	7	210

Correction factors for different ambient temperatures:

Ambient temp. °C	25	30	35	40	45	50	55	60	65	70	75
Rating factors	1,22	1,17	1,12	1,06	1,00	0,94	0,87	0,79	0,71	0,61	0,5

Installation recommendations:

In accordance with IEC 60092-352

Minimum bending radius		Maximum pulling Tension	Minimum installation Temperature
During installation	Fixed installed		
8 x cable diameter	6 x cable diameter	50 N x total cross section of conductors	- 10 °C

We reserve the right to alter this specification without notice.