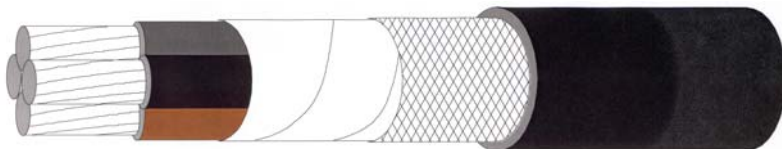


Shipline TXOI 0,6/1kV Power cable

Flame retardant halogen-free power cable. Braided

TXOI 0,6/1kV
XLPE/TCWB/PO



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

Application

Armoured cable for fixed installation in ships where cable protection is required. Control, general power and lighting systems. Can be installed and operated both indoors and outdoors.

Standards applied

IEC 60092-353	- Design
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 60754-1,2	- Halogen Free
IEC 61034-1,2	- Low Smoke

Construction

	Code Letter	
Conductor		Annealed stranded copper, IEC 60228 class 2, stranded circular copper SCC (single core cables 1,5 ... 300 mm ² , multicore cables 1,5 ... 35 mm ²), sector shaped copper SSC (3 and 4 core cables above 35 mm ²)
Insulation	T	Crosslinked Polyethylene, IEC 60092-351 (HFXLPE)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering	X	No inner covering. (Additional tapes may be applied)
Armour/screen	O	Tinned annealed copper wire braid
Outer sheath	I	Flame retardant halogen-free thermoplastic compound, SHF1
Marking text		E.g. "meter" "year" DRAKA 01 TXOI 0,6/1KV 3 x 10/10 mm ² IEC 60332-3-22 ShipLine
Manufacturing unit		DRAKA 01 = Draka Norsk Kabel, DRAKA 02 = Draka Kabel BV Amsterdam, DRAKA 03 = Draka Kabel BV Emmen
Outer sheath colour		Black

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Core identification power cables

Single core	Black
Two cores	Blue - Brown
Three cores	Brown - Black - Grey
Four cores	Blue - Brown - Black - Grey
Five cores	Blue - Brown - Black - Grey - Black
Seven cores and above	White with black numbers
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
G / X in cable description	G = One of the cores are yellow/green - X = no yellow/green core

Range and dimensions

Number of elements	Cross section core, mm ²	Cross section screen, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Diameter Braid Wire, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
1	16	2.5	5.15	0.7	0.2	1.1	10 ± 0.8	250	182
1	25	4	6.4	0.9	0.2	1.2	11.5 ± 0.8	360	264
1	35	4	7.5	0.9	0.203	1.2	13.0 ± 0.8	460	354
1	50	6	8.75	1.0	0.3	1.3	15.0 ± 0.8	620	495
1	70	6	10.55	1.1	0.3	1.4	17 ± 0.8	850	691
1	95	6	12.45	1.1	0.3	1.4	19 ± 0.8	1170	981
1	120	10	14.0	1.2	0.3	1.5	21 ± 1	1390	1173
1	150	10	15.5	1.4	0.3	1.6	23 ± 1	1690	1435
1	185	10	17.4	1.6	0.3	1.6	25.5 ± 1.0	2070	1769
1	240	10	19.9	1.7	0.3	1.7	28.5 ± 1	2640	2291
1	300	16	23.9	1.8	0.3	1.8	32.5 ± 1.5	3840	3289
27	1.5	10	1.6	0.7	0.3	1.6	23 ± 1	810	509
37	1.5	10	1.6	0.7	0.3	1.7	25.5 ± 1	1090	695
48	1.5	16	1.6	0.7	0.3	1.8	29.5 ± 1	1340	867
2	1.5	2.5	1.6	0.7	0.203	1.1	9.5 ± 0.5	125	63
3G	1.5	-	1.6	0.7	0.203	1.1	10.0 ± 0.8	150	79
3	1.5	2.5	1.6	0.7	0.203	1.1	10.0 ± 0.8	150	79
4G	1.5	-	1.6	0.7	0.203	1.1	10.5 ± 0.8	175	94
4	1.5	2.5	1.6	0.7	0.203	1.1	10.5 ± 0.8	175	94
5G	1.5	-	1.6	0.7	0.2	1.2	11.5 ± 0.8	215	114
5	1.5	2.5	1.6	0.7	0.203	1.2	12.0 ± 0.8	210	114
7	1.5	4	1.6	0.7	0.2	1.2	12.5 ± 0.8	275	145
10	1.5	6	1.6	0.7	0.3	1.3	16 ± 0.8	390	239
12	1.5	6	1.6	0.7	0.3	1.4	17.0 ± 0.8	440	261
14	1.5	6	1.6	0.7	0.3	1.4	17 ± 0.8	490	311
16	1.5	6	1.6	0.7	0.3	1.4	18 ± 0.8	540	339
19	1.5	6	1.6	0.7	0.3	1.5	19.5 ± 0.8	620	376
24	1.5	10	1.6	0.7	0.3	1.6	22.5 ± 1	770	472
2	2.5	2.5	2.0	0.7	0.203	1.1	10.5 ± 0.8	155	84
3G	2.5	-	2.0	0.7	0.203	1.1	11.0 ± 0.8	185	106
3	2.5	2.5	2.0	0.7	0.203	1.1	11.0 ± 0.8	185	106
4G	2.5	-	2.0	0.7	0.203	1.2	12.0 ± 0.8	225	136
4	2.5	2.5	2.0	0.7	0.203	1.2	12.0 ± 0.8	230	132
5G	2.5	-	2.0	0.7	0.2	1.2	12.5 ± 0.8	280	166
5	2.5	4	2.0	0.7	0.203	1.2	13.0 ± 0.8	275	160
7	2.5	6	2.0	0.7	0.3	1.3	14 ± 0.8	380	244
12	2.5	6	2.0	0.7	0.3	1.4	18 ± 0.8	590	393
19	2.5	10	2.0	0.7	0.3	1.5	21 ± 1	840	569

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Number of elements	Cross section core, mm ²	Cross section screen, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Diameter Braid Wire, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
27	2.5	10	2.0	0.7	0.3	1.7	25.5 ± 1	1170	794
37	2.5	16	2.0	0.7	0.3	1.8	28.5 ± 1	1530	1053
2	4	4	2.55	0.7	0.203	1.2	11.5 ± 0.8	200	116
3	4	4	2.55	0.7	0.203	1.2	12 ± 0.8	250	153
4	4	6	2.55	0.7	0.3	1.3	14.0 ± 0.8	340	220
4G	4	-	2.55	0.7	0.3	1.3	14.0 ± 0.8	340	227
3G	4	-	2.55	0.7	0.203	1.2	12 ± 0.8	250	160
2	6	6	3.1	0.7	0.3	1.2	13 ± 0.8	280	182
3	6	6	3.1	0.7	0.3	1.3	14.0 ± 0.8	360	236
4	6	6	3.15	0.7	0.3	1.3	15 ± 0.8	430	311
4G	6	-	3.15	0.7	0.3	1.3	15 ± 0.8	430	310
3G	6	-	3.15	0.7	-	1.3	13.5 ± 0.8	370	255
2	10	10	3.9	0.7	0.4	1.3	15 ± 0.8	390	268
3	10	10	3.9	0.7	0.4	1.3	15.5 ± 0.8	540	405
4	10	10	3.9	0.7	0.3	1.4	17.5 ± 0.8	650	481
2	16	16	4.95	0.7	0.5	1.4	17.5 ± 0.8	600	446
3	16	16	4.95	0.7	0.4	1.4	18.5 ± 0.8	760	581
4	16	16	5.15	0.7	0.5	1.5	21 ± 1	1010	791
2	25	16	6.25	0.9	0.4	1.5	21.5 ± 1	820	615
3	25	16	6.25	0.9	0.4	1.6	22.5 ± 1	1100	842
4	25	16	6.25	0.9	0.3	1.6	24.5 ± 1	1410	1143
2	35	16	7.6	0.9	0.4	1.6	23.5 ± 1	1090	853
3	35	16	7.5	0.9	0.3	1.6	25.0 ± 1	1400	1136
4	35	16	7.6	0.9	0.3	1.7	27.5 ± 1	1790	1462
3	50	25	-	1.0	0.4	1.8	25 ± 1	1820	1507
4	50	25	-	1.0	0.5	1.9	28.5 ± 1	2450	2001
3	70	35	-	1.1	0.575	2	29.5 ± 1	2650	2233
4	70	35	-	1.1	0.4	2.1	33.0 ± 1.5	3370	2747
3	95	50	-	1.1	0.575	2.1	33.0 ± 1.5	3440	2944
4	95	50	-	1.1	0.575	2.2	37.5 ± 1.5	4390	3784

Ordering information

Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.	KDN Part number	EAN no. KDN
838600	TXOI 0,6/1KV 1X 16/2,5mm2	BLACK	-	7021528386004	1059006	124884NN	8711401019226
838601	TXOI 0,6/1KV 1X 25/4mm2	BLACK	-	7021528386011	1059007	124885NN	8711401019233
838602	TXOI 0,6/1KV 1X 35/4mm2	BLACK	Yes	7021528386028	1059008	124886KK	8711401089212
838603	TXOI 0,6/1KV 1X 50/6mm2	BLACK	Yes	7021528386035	1059009	124887KK	8711401093783
838604	TXOI 0,6/1KV 1X 70/6mm2	BLACK	Yes	7021528386042	1059010	124888KK	8711401089236
838605	TXOI 0,6/1KV 1X 95/6mm2	BLACK	Yes	7021528386059	1059011	124889KK	8711401093790
838606	TXOI 0,6/1KV 1X 120/10mm2	BLACK	Yes	7021528386066	1059012	124890KK	8711401093813
838607	TXOI 0,6/1KV 1X 150/10mm2	BLACK	Yes	7021528386073	1059013	124891KK	8711401088659
838608	TXOI 0,6/1KV 1X 185/10mm2	BLACK	Yes	7021528386080	1059014	124892NN	8711401019325
838609	TXOI 0,6/1KV 1X 240/10mm2	BLACK	Yes	7021528386097	1059015	124893KK	8711401093837
838615	TXOI 0,6/1KV 2X 1,5/2,5mm2	BLACK	Yes	7021528386158	1059020	124894KK	8711401093844
838616	TXOI 0,6/1KV 3G 1,5mm2	BLACK	Yes	7021528386165	1059030	127202KK	8711401094421
838618	TXOI 0,6/1KV 3X 1,5/2,5mm2	BLACK	Yes	7021528386189	1059040	124900KK	8711401089311
838619	TXOI 0,6/1KV 4G 1,5mm2	BLACK	Yes	7021528386196	1059060	127203KK	8711401094445
838621	TXOI 0,6/1KV 4X 1,5/2,5mm2	BLACK	Yes	7021528386219	1059070	124913KK	8711401089373
838622	TXOI 0,6/1KV 5G 1,5mm2	BLACK	-	7021528386226	1059085	-	-

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Shipline TXOI 0,6/1kV Power cable

Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.	KDN Part number	EAN no. KDN
838624	TXOI 0.6/1kV 5X 1.5/2.5mm ²	BLACK	Yes	7021528386240	1059090	124920KK	8711401094308
838625	TXOI 0.6/1kV 7X 1.5/4mm ²	BLACK	Yes	7021528386257	1059100	124924KK	8711401089380
838600	TXOI 0,6/1KV 1X 16/2,5mm ²	BLACK	-	7021528386004	1059006	124884NN	8711401019226
838601	TXOI 0,6/1KV 1X 25/4mm ²	BLACK	-	7021528386011	1059007	124885KK	8711401019233
838602	TXOI 0.6/1kV 1X 35/4mm ²	BLACK	-	7021528386028	1059008	124886KK	8711401089212
838603	TXOI 0.6/1kV 1X 50/6mm ²	BLACK	Yes	7021528386035	1059009	124887KK	8711401093783
838604	TXOI 0,6/1KV 1X 70/6mm ²	BLACK	Yes	7021528386042	1059010	124888KK	8711401089236
838605	TXOI 0,6/1KV 1X 95/6mm ²	BLACK	Yes	7021528386059	1059011	124889KK	8711401093790
838606	TXOI 0,6/1KV 1X 120/10mm ²	BLACK	Yes	7021528386066	1059012	124890KK	8711401093813
838607	TXOI 0.6/1kV 1X 150/10mm ²	BLACK	Yes	7021528386073	1059013	124891KK	8711401088659
838608	TXOI 0.6/1kV 1X 185/10mm ²	BLACK	Yes	7021528386080	1059014	124892KK	8711401093820
838609	TXOI 0,6/1KV 1X 240/10mm ²	BLACK	Yes	7021528386097	1059015	124893KK	8711401093837
838610	TXOI 0.6/1kV 1X 300/16mm ²	BLACK	-	7021528386103	1059016	-	-
838612	TXOI 0,6/1KV 27X 1,5/10mm ²	BLACK	-	7021528386127	1059109	-	-
838613	TXOI 0.6/1kV 37X 1.5/10mm ²	BLACK	-	7021528386134	1059110	-	-
838614	TXOI 0,6/1KV 48X 1,5/16mm ²	BLACK	-	7021528386141	-	-	-
838615	TXOI 0,6/1KV 2X 1,5/2,5mm ²	BLACK	Yes	7021528386158	1059020	124894KK	8711401093844
838616	TXOI 0,6/1KV 3G 1,5mm ²	BLACK	Yes	7021528386165	1059030	127202KK	8711401094421
838618	TXOI 0,6/1KV 3X 1,5/2,5mm ²	BLACK	Yes	7021528386189	1059040	124900KK	8711401089311
838619	TXOI 0,6/1KV 4G 1,5mm ²	BLACK	Yes	7021528386196	1059060	127203KK	8711401094445
838621	TXOI 0.6/1kV 4X 1.5/2.5mm ²	BLACK	Yes	7021528386219	1059070	124913KK	8711401089373
838622	TXOI 0,6/1KV 5G 1,5mm ²	BLACK	-	7021528386226	1059085	129439KK	-
838624	TXOI 0.6/1kV 5X 1.5/2.5mm ²	BLACK	Yes	7021528386240	1059090	124920KK	8711401094308
838625	TXOI 0.6/1kV 7X 1.5/4mm ²	BLACK	Yes	7021528386257	1059100	124924KK	8711401089380
838626	TXOI 0,6/1KV 10X 1,5/6mm ²	BLACK	-	7021528386264	1059102	124926NN	8711401019615
838627	TXOI 0.6/1kV 12X 1.5/6mm ²	BLACK	Yes	7021528386271	1059103	124927KK	8711401094353
838628	TXOI 0,6/1KV 14X 1,5/6mm ²	BLACK	-	7021528386288	1059105	-	-
838629	TXOI 0,6/1KV 16X 1,5/6mm ²	BLACK	-	7021528386295	1059106	124928NN	8711401019639
838630	TXOI 0,6/1KV 19X 1,5/6mm ²	BLACK	Yes	7021528386301	1059107	124929KK	8711401094391
838631	TXOI 0,6/1KV 24X 1,5/10mm ²	BLACK	-	7021528386318	1059108	124930NN	8711401019653
838633	TXOI 0,6/1KV 2X 2,5/2,5mm ²	BLACK	Yes	7021528386332	1059021	124895KK	8711401093851
838634	TXOI 0.6/1kV 3G 2.5mm ²	BLACK	Yes	7021528386349	1059031	127198KK	8711401088666
838636	TXOI 0.6/1kV 3X 2.5/2.5mm ²	BLACK	Yes	7021528386363	1059041	124901KK	8711401093967
838637	TXOI 0.6/1kV 4G 2.5mm ²	BLACK	-	7021528386370	1059061	127199KK	8711401094414
838639	TXOI 0.6/1kV 4X 2.5/2.5mm ²	BLACK	Yes	7021528386394	1059071	124914KK	8711401094247
838641	TXOI 0,6/1KV 5G 2,5mm ²	BLACK	-	7021528386417	1059086	129575KK	-
838642	TXOI 0.6/1kV 5X 2.5/4mm ²	BLACK	-	7021528386424	1059091	124921KK	8711401094339
838643	TXOI 0.6/1kV 7X 2.5/6mm ²	BLACK	-	7021528386431	1059101	-	-
838644	TXOI 0.6/1kV 12X 2.5/6mm ²	BLACK	-	7021528386448	1059104	-	-
838647	TXOI 0.6/1kV 19X 2.5/10mm ²	BLACK	-	7021528386479	-	-	-
838648	TXOI 0,6/1KV 27X 2,5/10mm ²	BLACK	-	7021528386486	-	-	-
838649	TXOI 0,6/1KV 37X 2,5/16mm ²	BLACK	-	7021528386493	-	-	-
838650	TXOI 0.6/1kV 2X 4/4mm ²	BLACK	Yes	7021528386509	1059022	124896KK	8711401093875
838651	TXOI 0.6/1kV 3X 4/4mm ²	BLACK	Yes	7021528386516	1059042	124902KK	8711401089410
838652	TXOI 0,6/1KV 4X 4/6mm ²	BLACK	Yes	7021528386523	1059072	124915KK	8711401094254
838653	TXOI 0.6/1kV 4G 4mm ²	BLACK	Yes	7021528386530	1059062	-	-
838654	TXOI 0.6/1kV 3G 4mm ²	BLACK	-	7021528386547	-	-	-
838656	TXOI 0.6/1kV 2X 6/6mm ²	BLACK	Yes	7021528386561	1059023	124897KK	8711401093882
838657	TXOI 0,6/1KV 3X 6/6mm ²	BLACK	Yes	7021528386578	1059043	124903KK	8711401093974
838658	TXOI 0,6/1KV 4X 6/6mm ²	BLACK	-	7021528386585	1059073	124916NN	8711401019578
838659	TXOI 0,6/1KV 4G 6mm ²	BLACK	-	7021528386592	1059063	129601KK	-
838660	TXOI 0.6/1kV 3G 6mm ²	BLACK	-	7021528386608	-	-	-
838662	TXOI 0.6/1kV 2X 10/10mm ²	BLACK	-	7021528386622	1059024	124898KK	8711401093899
838663	TXOI 0.6/1kV 3X 10/10mm ²	BLACK	Yes	7021528386639	1059044	124904KK	8711401093981

Shipline TXOI 0,6/1kV Power cable

Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.	KDN Part number	EAN no. KDN
838664	TXOI 0.6/1kV 4X 10/10mm ²	BLACK	-	7021528386646	1059074	124917KK	8711401094278
838668	TXOI 0.6/1kV 2X 16/16mm ²	BLACK	Yes	7021528386684	1059025	124899KK	8711401093950
838669	TXOI 0.6/1kV 3X 16/16mm ²	BLACK	Yes	7021528386691	1059045	124905KK	8711401088673
838670	TXOI 0.6/1kV 4X 16/16mm ²	BLACK	-	7021528386707	1059075	124918NN	8711401019448
838674	TXOI 0.6/1kV 2X 25/16mm ²	BLACK	Yes	7021528386745	1059026	128004KK	8711401102133
838675	TXOI 0.6/1kV 3X 25/16mm ²	BLACK	Yes	7021528386752	1059046	124906KK	8711401089717
838676	TXOI 0.6/1kV 4X 25/16mm ²	BLACK	-	7021528386769	1059076	124919KK	8711401094292
838680	TXOI 0.6/1kV 2X 35/16mm ²	BLACK	-	7021528386806	1059027	-	-
838681	TXOI 0.6/1kV 3X 35/16mm ²	BLACK	Yes	7021528386813	1059047	124907KK	8711401094018
838682	TXOI 0.6/1kV 4X 35/16mm ²	BLACK	-	7021528386820	1059077	-	-
838687	TXOI 0.6/1kV 3X 50/25mm ²	BLACK	Yes	7021528386875	1059048	124908KK	8711401088680
838688	TXOI 0.6/1kV 4X 50/25mm ²	BLACK	-	7021528386882	-	-	-
838693	TXOI 0.6/1kV 3X 70/35mm ²	BLACK	Yes	7021528386936	1059049	124909KK	8711401094230
838694	TXOI 0.6/1kV 4X 70/35mm ²	BLACK	-	7021528386943	-	128334KK	8711401106339
838700	TXOI 0.6/1kV 3X 95/50mm ²	BLACK	Yes	7021528387001	1059050	124910KK	8711401088697
838701	TXOI 0.6/1kV 4X 95/50mm ²	BLACK	-	7021528387018	-	127346KK	8711401089830

Electrical values power cables

Number of elements	Cross section core, mm ²	Cross section screen, mm ²	Conductor type 2	Max. conductor resistance at 20°C, Ohm/km	Max. conductor resistance at 90°C, Ohm/km	Reactance at 50Hz, Ohm/km	Reactance at 60Hz, Ohm/km	Current rating IEC 60092-352 Table B.4, Ampere	Short circuit rating 1 second, Ampere
1	16	2.5	SCC	1.15	1.466	0.100	0.120	96	2240
1	25	4	SCC	0.727	0.927	0.103	0.124	127	3500
1	35	4	SCC	0.524	0.668	0.098	0.118	157	4900
1	50	6	SCC	0.387	0.493	0.095	0.114	196	7000
1	70	6	SCC	0.268	0.342	0.092	0.110	242	9800
1	95	6	SCC	0.193	0.246	0.088	0.106	293	13300
1	120	10	SCC	0.153	0.195	0.086	0.103	339	16800
1	150	10	SCC	0.124	0.158	0.083	0.099	389	21000
1	185	10	SCC	0.0991	0.1264	0.085	0.101	444	25900
1	240	10	SCC	0.0754	0.0961	0.082	0.099	522	33600
1	300	16	SCC	0.0601	0.0766	0.082	0.098	601	42000
27	1.5	10	SCC	12.1	15.428	0.099	0.119	7.5	210
37	1.5	10	SCC	12.1	15.428	0.099	0.119	7	210
48	1.5	16	SCC	12.1	15.428	0.099	0.119	6.5	210
2	1.5	2.5	SCC	12.1	15.428	0.104	0.125	20	210
3G	1.5	-	SCC	12.1	15.428	0.104	0.125	20	210
3	1.5	2.5	SCC	12.1	15.428	0.104	0.125	16	210
4G	1.5	-	SCC	12.1	15.428	0.112	0.134	16	210
4	1.5	2.5	SCC	12.1	15.428	0.112	0.134	16	210
5G	1.5	-	SCC	12.1	15.428	0.099	0.119	16	210
5	1.5	2.5	SCC	12.1	15.428	0.114	0.137	13.5	210
7	1.5	4	SCC	12.1	15.428	0.104	0.125	12	210
10	1.5	6	SCC	12.1	15.428	0.099	0.119	10.5	210
12	1.5	6	SCC	12.1	15.428	0.104	0.125	10	210
14	1.5	6	SCC	12.1	15.428	0.099	0.119	9.5	210
16	1.5	6	SCC	12.1	15.428	0.099	0.119	9	210
19	1.5	6	SCC	12.1	15.428	0.104	0.125	8.5	210
24	1.5	10	SCC	12.1	15.428	0.099	0.119	8	210
2	2.5	2.5	SCC	7.41	9.448	0.098	0.118	26	350

Shipline TXOI 0,6/1kV Power cable

Number of elements	Cross section core, mm ²	Cross section screen, mm ²	Conductor type 2	Max. conductor resistance at 20°C, Ohm/km	Max. conductor resistance at 90°C, Ohm/km	Reactance at 50Hz, Ohm/km	Reactance at 60Hz, Ohm/km	Current rating IEC 60092-352 Table B.4, Ampere	Short circuit rating 1 second, Ampere
3G	2.5	-	SCC	7.41	9.448	0.098	0.118	26	350
3	2.5	2.5	SCC	7.41	9.448	0.098	0.118	21	350
4G	2.5	-	SCC	7.41	9.448	0.105	0.126	21	350
4	2.5	2.5	SCC	7.41	9.448	0.105	0.126	21	350
5G	2.5	-	SCC	7.41	9.448	0.093	0.111	21	350
5	2.5	4	SCC	7.41	9.448	0.122	0.147	17.5	350
7	2.5	6	SCC	7.41	9.448	0.093	0.111	15.5	350
12	2.5	6	SCC	7.41	9.448	0.093	0.111	13	350
19	2.5	10	SCC	7.41	9.448	0.093	0.111	11	350
27	2.5	10	SCC	7.41	9.448	0.093	0.111	10	350
37	2.5	16	SCC	7.41	9.448	0.093	0.111	9	350
2	4	4	SCC	4.61	5.878	0.092	0.110	34	560
3	4	4	SCC	4.61	5.878	0.092	0.110	28	560
4	4	6	SCC	4.61	5.878	0.099	0.119	28	560
4G	4	-	SCC	4.61	5.878	0.087	0.104	28	560
3G	4	-	SCC	4.61	3.927	0.087	0.104	34	560
2	6	6	SCC	3.08	3.927	0.088	0.106	44	840
3	6	6	SCC	3.08	3.927	0.088	0.106	36	840
4	6	6	SCC	3.08	3.927	0.088	0.106	36	840
4G	6	-	SCC	3.08	3.927	0.082	0.099	36	840
3G	6	-	SCC	3.08	3.927	0.082	0.099	44	840
2	10	10	SCC	1.83	2.333	0.084	0.100	61	1400
3	10	10	SCC	1.83	2.333	0.084	0.100	50	1400
4	10	10	SCC	1.83	2.333	0.091	0.109	50	1400
2	16	16	SCC	1.15	1.466	0.080	0.096	82	2240
3	16	16	SCC	1.15	1.466	0.080	0.096	67	2240
4	16	16	SCC	1.15	1.466	0.074	0.089	67	2240
2	25	16	SCC	0.727	0.927	0.080	0.097	108	3500
3	25	16	SCC	0.727	0.927	0.080	0.097	89	3500
4	25	16	SCC	0.727	0.927	0.088	0.105	89	3500
2	35	16	SCC	0.524	0.668	0.073	0.087	133	4900
3	35	16	SCC	0.524	0.668	0.078	0.093	110	4900
4	35	16	SCC	0.524	0.668	0.073	0.087	110	4900
3	50	25	SSC	0.387	0.493	0.071	0.085	137	7000
4	50	25	SSC	0.387	0.493	0.065	0.077	137	7000
3	70	35	SSC	0.268	0.342	0.070	0.084	169	9800
4	70	35	SSC	0.268	0.342	0.079	0.095	169	9800
3	95	50	SSC	0.193	0.246	0.069	0.083	205	13300
4	95	50	SSC	0.193	0.246	0.077	0.093	205	13300

Ambient temperature correction factors

Ambient Temp °C	35	40	45	50	55	60	65	70	75	80
Rating factor	1.10	1.05	1.00	0.94	0.88	0.82	0.74	0.67	0.58	0.47

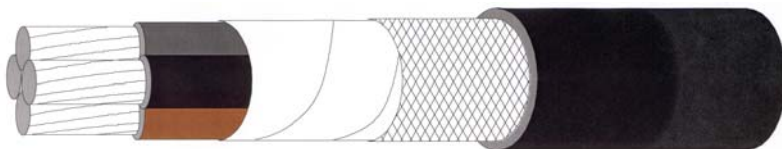
Installation recommendations

Minimum Bending Radius during Installation	Minimum Bending Radius Fixed Installed	Maximum Tensile Load During Installation	Minimum Installation Temperature
8 x D	6 x D	50 N/mm ²	-10°C

Shipline TXOI 0,6/1kV Power cable

Flame retardant halogen-free power cable. Braided

TXOI 0,6/1kV
XLPE/TCWB/PO



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

Application

Armoured cable for fixed installation in ships where cable protection is required. Control, general power and lighting systems. Can be installed and operated both indoors and outdoors.

Standards applied

IEC 60092-353	- Design
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 60754-1,2	- Halogen Free
IEC 61034-1,2	- Low Smoke

Construction

	Code Letter	
Conductor		Annealed stranded copper, IEC 60228 class 2, stranded circular copper SCC (single core cables 1,5 ... 300 mm ² , multicore cables 1,5 ... 35 mm ²), sector shaped copper SSC (3 and 4 core cables above 35 mm ²)
Insulation	T	Crosslinked Polyethylene, IEC 60092-351 (HFXLPE)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering	X	No inner covering. (Additional tapes may be applied)
Tape over inner covering		PET tape + rubberized Polyamide tape
Armour/screen	O	Two layers of tinned copper wire braid (double braid)
Tape over armour/screen		PET tape + rubberized Polyamide tape
Outer sheath	I	Flame retardant halogen-free thermoplastic compound, SHF1
Marking text		E.g. "meter" "year" DRAKA 01 TXOI 0,6/1KV 3 x 120/60 mm ² IEC 60332-3-22 ShipLine
Manufacturing unit		DRAKA 01 = Draka Norsk Kabel, DRAKA 02 = Draka Kabel BV Amsterdam, DRAKA 03 = Draka Kabel BV Emmen
Outer sheath colour		Black

Shipline TXOI 0,6/1kV Power cable

Core identification power cables

Single core	Black
Two cores	Blue - Brown
Three cores	Brown - Black - Grey
Four cores	Blue - Brown - Black - Grey
Five cores	Blue - Brown - Black - Grey - Black
Seven cores and above	White with black numbers
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
G / X in cable description	G = One of the cores are yellow/green - X = no yellow/green core

Range and dimensions

Number of elements	Cross section core, mm ²	Cross section screen, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Diameter Braid Wire, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
3	120	60	-	1.2	0.4	2.3	38 ± 1.5	4420	3813
3	150	70	-	1.2	0.4	2.4	42.5 ± 2	5470	4703
3	240	120	-	1.7	0.6	2.8	52 ± 2.5	8990	7892

Ordering information

Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.	KDN Part number	EAN no. KDN
838706	TXOI 0.6/1kV 3X 120/60mm ²	BLACK	-	7021528387063	1059051	128399KK	8711401107626
838710	TXOI 0.6/1kV 3X 150/70mm ²	BLACK	-	7021528387100	-	128400KK	-
838720	TXOI 0.6/1kV 3X 240/120mm ²	BLACK	-	7021528387209	-	-	-

Electrical values power cables

Number of elements	Cross section core, mm ²	Cross section screen, mm ²	Conductor type 2	Max. conductor resistance at 20°C, Ohm/km	Max. conductor resistance at 90°C, Ohm/km	Reactance at 50Hz, Ohm/km	Reactance at 60Hz, Ohm/km	Current rating IEC 60092-352 Table B.4, Ampere	Short circuit rating 1 second, Ampere
3	120	60	SSC	0.153	0.195	0.062	0.075	237	16800
3	150	70	SSC	0.124	0.158	0.061	0.074	272	21000
3	240	120	SSC	0.0754	0.0961	0.062	0.075	365	33600

Ambient temperature correction factors

Ambient Temp °C	35	40	45	50	55	60	65	70	75	80
Rating factor	1.10	1.05	1.00	0.94	0.88	0.82	0.74	0.67	0.58	0.47

Installation recommendations

Minimum Bending Radius during Installation	Minimum Bending Radius Fixed Installed	Maximum Tensile Load During Installation	Minimum Installation Temperature
8 x D	6 x D	50 N /mm ²	-10°C