

Offshore Power Cables

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BFOU M P5/P12/P105

0.6/1(1.2)KV

MGT/EPR/EPR/TCWB/EVA



BFOU 1kV NEK TS 606 Code P105
BFOU M 1kV NEK TS 606 Code P5/P12/P105

Operating temperature: 90°C
Operating Voltage: 0,6/1(1,2)kV

Halogen-free, fire-resistant, flame retardant and mud-resistant cable for use on board ships, offshore units and fixed installations for power, control and lighting, and emergency and critical systems where fire resistance is required.

Application

Fixed installation for power, control and lighting in both EX (Zone 0, 1 & 2)- and safe areas, emergency and critical systems where requirement for fire resistance exists.

BFOU M 1kV for installation in areas exposed to MUD and drilling/cleaning fluids. Meets the Oil & Mud resistance requirement in NEK TS 606:2016.

Standards applied

- | | |
|---------------------------------|-------------------|
| IEC 60092-353 IEC 60228 class 2 | - Design |
| IEC 60092-360 | - Conductor |
| IEC 60092-360 | - Insulation |
| IEC 60332-1-2 | - Sheath |
| IEC 60332-3-22 | - Flame Retardant |
| IEC 60331-1, -2, -21 | - Flame Retardant |
| IEC 60754-1,2 | - Fire Resistant |
| IEC 61034-1,2 | - Halogen Free |
| | - Low Smoke |

Construction

	Code letter	
Conductor		Tinned annealed stranded circular copper, IEC 60228 class 2
Insulation	B	Mica-tape + EP-rubber, IEC 60092-360 (EPR)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering	F	Flame retardant and halogen-free extruded compound
Tape over inner covering		PET tape
Armour/screen	O	Tinned annealed copper wire braid
Tape over armour/screen		PET tape
Outer sheath	U	Flame retardant, halogen-free thermoset compound, SHF2 (IEC 60092-360)
Marking text (example)		"meter" "year/week" DRAKA 01 Part no. <SAP code> BFOU M 0,6/1kV P5/P12/P105 3 x 25/16 mm ² FLEX - FLAME IEC 60331-1*) or IEC 60331-2*) IEC 60331-21**) IEC 60332-3-22 Production no. <Prod.ordre no.>
Manufacturing unit		DRAKA 01 = Prysmian Group Norge AS
Outer sheath color		Black

*) IEC 60331-1 for cables with an overall diameter exceeding 20 mm and IEC 60331-2 for cables with an overall diameter not exceeding 20 mm

**) IEC 60331-21 also at enhanced temperature 1000°C for 180 minutes

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

Core identification - to HD308S2 - and IEC 60445 Ed 5.0 2010-08

Range and dimensions

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Inner covering, mm	Diameter inner covering, mm	Diameter Braid Wire, mm	Mechanical cross-section of the braid, mm ²	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info Black outer sheath
1	16	4	5.0	1.0	1.1	9.5 ± 0.5	0.2	5.3	1.2	12.5 ± 0.8	351	191	8048967
1	25	4	6.3	1.2	1.1	11.5 ± 0.8	0.2	6.0	1.2	14.5 ± 0.8	479	278	8049223
1	35	6	7.40	1.2	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	636	401	8069591
1	50	10	8.75	1.4	1.1	14 ± 0.8	0.3	12.7	1.4	18 ± 0.8	815	533	8000105
1	70	10	10.6	1.4	1.1	16 ± 0.8	0.3	12.7	1.4	19.5 ± 0.8	1051	731	8000113
1	95	10	12.35	1.6	1.1	18 ± 0.8	0.3	15.3	1.5	22 ± 1	1358	967	8001663
1	120	10	14.00	1.6	1.1	19.5 ± 1	0.3	15.3	1.6	23.5 ± 1	1641	1207	8018058
1	150	16	15.45	1.8	1.1	21.5 ± 1	0.3	17.8	1.6	25.5 ± 1	1948	1456	8001293
1	185	16	17.3	2.0	1.1	23.5 ± 1	0.3	17.8	1.7	28 ± 1	2340	1768	8001294
1	240	16	19.85	2.2	1.1	26.5 ± 1	0.3	20.4	1.8	31 ± 1.5	2976	2302	8018061
1	300	16	22.25	2.4	1.1	29.5 ± 1	0.3	22.9	1.9	34 ± 1.5	3655	2865	8000085
1	400	25	26.00	2.6	1.1	33.5 ± 1.5	0.4	31.7	2.1	39 ± 1.5	4973	3983	on request
1	630	35	32.80	2.8	1.1	40.5 ± 2	0.4	40.7	2.3	46.5 ± 2	7494	6220	on request
2	1.5	4	1.6	1.0	1.1	9.5 ± 0.5	0.2	5.3	1.2	13 ± 0.8	269	78	8000131
3	1.5	4	1.6	1.0	1.1	10.5 ± 0.8	0.2	5.3	1.2	13.5 ± 0.8	295	91	8000189
4	1.5	6	1.6	1.0	1.1	11.5 ± 0.8	0.3	8.5	1.3	15 ± 0.8	375	135	8000256
5	1.5	6	1.6	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	449	165	8055551
7	1.5	6	1.6	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	488	192	8000314
12	1.5	10	1.6	1.0	1.1	16.5 ± 0.8	0.3	13.6	1.5	20.5 ± 1	721	291	8000010
19	1.5	10	1.6	1.0	1.2	19.5 ± 0.8	0.3	15.3	1.6	23.5 ± 1	994	400	8000051
27	1.5	16	1.6	1.0	1.2	23.5 ± 1	0.3	20.4	1.8	27.5 ± 1	1345	556	8001298
37	1.5	16	1.6	1.0	1.2	26 ± 1	0.3	22.9	1.9	30.5 ± 1.5	1709	714	8065984
3G	1.5	-	1.6	1.0	1.1	10.5 ± 0.8	0.2	5.3	1.2	13.5 ± 0.8	295	91	8000134
4G	1.5	-	1.6	1.0	1.1	11.5 ± 0.8	0.3	8.5	1.3	15 ± 0.8	375	135	8000194
5G	1.5	-	1.6	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	449	165	8000259
2	2.5	4	2.0	1.0	1.1	10.5 ± 0.8	0.2	5.3	1.2	13.5 ± 0.8	309	94	8000140
3	2.5	6	2.0	1.0	1.1	11 ± 0.8	0.3	8.5	1.3	15 ± 0.8	385	146	8000212
4	2.5	6	2.0	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	452	183	8000264
5	2.5	6	2.0	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	526	204	8026125
7	2.5	10	2.0	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	17.5 ± 0.8	599	264	8000316
12	2.5	10	2.0	1.0	1.2	18.5 ± 0.8	0.3	15.3	1.6	22.5 ± 1	906	402	8001290
19	2.5	16	2.0	1.0	1.2	21.5 ± 1	0.3	17.8	1.7	26 ± 1	1259	575	8001550
27	2.5	16	2.0	1.0	1.2	26 ± 1	0.3	20.4	1.9	30.5 ± 1.5	1605	727	8002886
37	2.5	16	2.0	1.0	1.4	29.5 ± 1.0	0.30	22.9	2.0	34.5 ± 1.5	2200	1010	on request

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Inner covering, mm	Diameter inner covering, mm	Diameter Braid Wire, mm	Mechanical cross-section of the braid, mm ²	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info Black outer sheath
3G	2.5	-	2.0	1.0	1.1	11 ± 0.8	0.3	8.5	1.3	15 ± 0.8	384	146	8000143
4G	2.5	-	2.0	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	452	183	8000214
5G	2.5	-	2.0	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	526	204	8000268
7G	2.5	-	2.0	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	17.5 ± 0.8	598	264	on request
2	4	6	2.5	1.0	1.1	11.5 ± 0.8	0.3	8.5	1.3	15.5 ± 0.8	414	152	8000173
3	4	6	2.5	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	482	202	8000230
4	4	6	2.5	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	549	236	8000298
3G	4	-	2.5	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	482	202	8000176
4G	4	-	2.5	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	549	236	8000233
5G	4	-	2.5	1.0	1.1	15 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	654	287	8002411
2	6	6	3.1	1.0	1.1	13 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	505	206	8000179
3	6	6	3.1	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	581	260	8000243
4	6	10	3.1	1.0	1.1	15 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	685	330	8000301
3G	6	-	3.1	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	581	260	8000183
4G	6	-	3.1	1.0	1.1	15 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	685	330	8002719
5G	6	-	3.1	1.0	1.1	16.5 ± 0.8	0.3	13.6	1.5	20.5 ± 1	827	401	8000303
2	10	10	4.0	1.0	1.1	14.5 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	654	290	8000135
3	10	10	4.0	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.4	19.5 ± 0.8	762	377	8000196
4	10	10	4.0	1.0	1.1	17.5 ± 0.8	0.3	13.6	1.5	21 ± 1	933	480	8000260
3G	10	-	4.0	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.4	19.5 ± 0.8	762	377	8000136
4G	10	-	4.0	1.0	1.1	17.5 ± 0.8	0.3	13.6	1.5	21 ± 1	932	480	8000198
5G	10	-	4.0	1.0	1.2	19 ± 0.8	0.3	15.3	1.5	23 ± 1	1116	584	8000261
2	16	16	5.05	1.0	1.1	17 ± 0.8	0.4	18.1	1.5	21 ± 1	911	455	8000137
3	16	16	5.05	1.0	1.1	18 ± 0.8	0.4	18.1	1.5	22 ± 1	1070	595	8006564
4	16	16	5.05	1.0	1.2	20 ± 1	0.3	17.8	1.6	24 ± 1	1291	731	8000262
3G	16	-	5.05	1.0	1.1	18 ± 0.8	0.3	13.6	1.5	22 ± 1	1023	550	8000138
4G	16	-	5.05	1.0	1.2	20 ± 1	0.3	15.3	1.6	24 ± 1	1266	707	8003364
5G	16	-	5.05	1.0	1.2	22 ± 1	0.3	17.8	1.6	26 ± 1	1507	871	8000263
2	25	16	6.3	1.2	1.2	20.5 ± 1	0.3	17.8	1.6	24.5 ± 1	1245	613	8043053
3	25	16	6.3	1.2	1.2	22 ± 1	0.3	17.8	1.6	26 ± 1	1494	833	8000217
4	25	16	6.3	1.2	1.2	24.5 ± 1	0.3	17.8	1.7	28.5 ± 1	1823	1054	8001750
3G	25	-	6.3	1.2	1.2	22 ± 1	0.3	17.8	1.6	26 ± 1	1493	833	8065985
4G	25	-	6.3	1.2	1.2	24.5 ± 1	0.3	17.8	1.7	28.5 ± 1	1836	1054	8001765
5G	25	-	6.3	1.2	1.2	27 ± 1	0.3	20.4	1.8	31 ± 1.5	2198	1299	8000270
2	35	16	7.4	1.2	1.1	22.5 ± 1	0.3	17.8	1.7	26.5 ± 1	1518	778	on request
3	35	16	7.4	1.2	1.1	24.5 ± 1	0.3	17.8	1.7	28.5 ± 1.5	1849	1080	8000226
4	35	16	7.4	1.2	1.1	27 ± 1	0.3	20.4	1.8	31 ± 1.5	2304	1408	8007955
3G	35	-	7.4	1.2	1.1	24 ± 1	0.3	17.8	1.7	28.5 ± 1.5	1848	1080	8003363
4G	35	-	7.4	1.2	1.1	27 ± 1	0.3	20.4	1.8	31 ± 1.5	2304	1408	8002280
5G	35	-	7.4	1.2	1.1	29.5 ± 1	0.3	22.9	1.9	34 ± 1.5	2769	1735	8001302

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Inner covering, mm	Diameter inner covering, mm	Diameter Braid Wire, mm	Mechanical cross-section of the braid, mm ²	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info Black outer sheath
2	50	25	8.75	1.4	1.1	26 ± 1	0.4	27.1	1.8	30.5 ± 1.5	2018	1086	on request
3	50	25	8.75	1.4	1.1	27.5 ± 1	0.4	27.1	1.9	32.5 ± 1.5	2480	1497	8000235
4	50	25	8.75	1.4	1.1	30.5 ± 1.5	0.4	27.1	2	35.5 ± 1.5	3050	1908	8001576
4G	50	-	8.75	1.4	1.1	30.5 ± 1.5	0.3	22.9	2	35.5 ± 1.5	3004	1867	8000241
5G	50	-	8.75	1.4	1.1	34 ± 1.5	0.4	36.2	2.1	39 ± 1.5	3773	2407	8000300
2	70	35	10.60	1.4	1.1	29.5 ± 1	0.5	42.4	1.9	34.5 ± 1.5	2793	1629	on request
3	70	35	10.60	1.4	1.1	31.5 ± 1.5	0.5	42.4	2	37 ± 1.5	3451	2239	8000246
4	70	35	10.60	1.4	1.1	35 ± 1.5	0.4	40.7	2.2	40.5 ± 2	4265	2832	on request
5	70	35	10.60	1.4	1.1	39 ± 1.5	0.4	40.7	2.3	44.5 ± 2	5111	3442	on request
3G	70	-	10.60	1.4	1.1	31.5 ± 1.5	0.3	22.9	2	36.5 ± 1.5	3254	2050	on request
4G	70	-	10.60	1.4	1.1	35 ± 1.5	0.4	36.2	2.2	40.5 ± 2	4219	2788	8044456
5G	70	-	10.60	1.4	1.1	39 ± 1.5	0.4	40.7	2.3	44.5 ± 2	5108	3442	8000305
2	95	50	12.35	1.6	1.4	34.5 ± 1.5	0.61	52.6	2.1	40.5 ± 2	3731	2152	on request
3	95	50	12.35	1.6	1.4	37 ± 1.5	0.5	49.5	2.2	42.5 ± 2	4570	2944	8000249
4	95	50	12.35	1.6	1.4	41 ± 2	0.5	49.5	2.4	47 ± 2	5658	3765	8042343
4G	95	-	12.35	1.6	1.4	41 ± 2	0.4	40.7	2.4	47 ± 2	5568	3680	on request
5G	95	-	12.35	1.6	1.4	45.5 ± 2	0.4	45.2	2.5	51.5 ± 2.5	6796	4546	8003272
2	120	60	14.0	1.6	1.4	37.5 ± 1.5	0.61	63.1	2.2	44 ± 2	4111	2734	on request
3	120	60	14.0	1.6	1.4	40.5 ± 2	0.61	63.1	2.3	47 ± 2	5693	3798	8001730
4	120	60	14.0	1.6	1.4	45 ± 2	0.61	63.1	2.5	51.5 ± 2.5	7048	4860	on request
4G	120	-	14.0	1.6	1.4	45 ± 2	0.4	45.2	2.5	51 ± 2.5	6856	4687	on request
5G	120	-	14.0	1.6	1.4	50 ± 2.5	0.5	49.5	2.7	57 ± 2.5	8394	5795	on request
4G	150	-	15.45	1.8	1.4	49.5 ± 2	0.5	56.5	2.7	56 ± 2.5	8288	5701	8000204
5G	150	-	15.45	1.8	1.4	55 ± 2.5	0.5	56.5	2.9	62 ± 3	10067	6999	on request
4	185	-	17.3	2.0	1.4	55 ± 2.5	0.5	56.5	2.9	62 ± 3	10132	6960	8002898
4G	185	-	17.3	2.0	1.4	55 ± 2.5	0.5	56.5	2.9	62 ± 3	10132	6960	on request

Electrical values power cables

Number of elements	Cross section core, mm ²	Electrical Cross section braid, 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	4	STCC	1.16	1.48	0.119	0.142	96	2240
1	25	4	STCC	0.734	0.936	0.112	0.135	127	3500
1	35	6	STCC	0.529	0.675	0.109	0.131	157	4900
1	50	10	STCC	0.391	0.499	0.106	0.128	196	7000
1	70	10	STCC	0.27	0.344	0.101	0.121	242	9800
1	95	10	STCC	0.195	0.249	0.098	0.117	293	13300

Number of elements	Cross section core, mm ²	Electrical Cross section braid, 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	120	10	STCC	0.154	0.196	0.095	0.114	339	16800
1	150	16	STCC	0.126	0.161	0.094	0.113	389	21000
1	185	16	STCC	0.1	0.128	0.092	0.111	444	25900
1	240	16	STCC	0.0762	0.0972	0.09	0.108	522	33600
1	300	16	STCC	0.0607	0.0774	0.088	0.106	601	42000
1	400	25	STCC	0.0475	0.0606	0.088	0.105	690 dc / 670 ac	56000
1	630	35	STCC	0.0286	0.0365	0.084	0.101	890 dc / 780 ac	88200
2	1.5	4	STCC	12.2	15.6	0.115	0.138	20	210
3	1.5	4	STCC	12.2	15.6	0.115	0.138	16	210
4	1.5	6	STCC	12.2	15.6	0.115	0.138	16	210
5	1.5	6	STCC	12.2	15.6	0.115	0.138	13.5	210
7	1.5	6	STCC	12.2	15.6	0.115	0.138	12	210
12	1.5	10	STCC	12.2	15.6	0.115	0.138	10	210
19	1.5	10	STCC	12.2	15.6	0.115	0.138	8.5	210
27	1.5	16	STCC	12.2	15.6	0.115	0.138	7.5	210
37	1.5	16	STCC	12.2	15.6	0.115	0.138	7	210
3G	1.5	-	STCC	12.2	15.6	0.115	0.138	20	210
4G	1.5	-	STCC	12.2	15.6	0.115	0.138	16	210
5G	1.5	-	STCC	12.2	15.6	0.115	0.138	16	210
2	2.5	4	STCC	7.56	9.64	0.107	0.129	26	350
3	2.5	6	STCC	7.56	9.64	0.107	0.129	21	350
5	2.5	6	STCC	7.56	9.64	0.107	0.129	17.5	350
4	2.5	6	STCC	7.56	9.64	0.107	0.129	21	350
7	2.5	10	STCC	7.56	9.64	0.107	0.129	15.5	350
12	2.5	10	STCC	7.56	9.64	0.107	0.129	13	350
19	2.5	16	STCC	7.56	9.64	0.107	0.129	11	350
27	2.5	16	STCC	7.56	9.64	0.107	0.129	10	350
37	2.5	16	STCC	7.56	9.64	0.107	0.129	9	350
3G	2.5	-	STCC	7.56	9.64	0.107	0.129	26	350
4G	2.5	-	STCC	7.56	9.64	0.107	0.129	21	350
5G	2.5	-	STCC	7.56	9.64	0.107	0.129	21	350
7G	2.5	-	STCC	7.56	9.64	0.107	0.129	16.5	350
2	4	6	STCC	4.7	5.99	0.100	0.120	34	560
3	4	6	STCC	4.7	5.99	0.100	0.120	28	560
4	4	6	STCC	4.7	5.99	0.100	0.120	28	560
5	4	6	STCC	4.7	5.99	0.100	0.120	23.5	560

Number of elements	Cross section core, mm ²	Electrical Cross section braid, 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	4	-	STCC	4.7	5.99	0.100	0.120	34	560
4G	4	-	STCC	4.7	5.99	0.100	0.120	28	560
5G	4	-	STCC	4.7	5.99	0.100	0.120	28	560
2	6	6	STCC	3.11	3.97	0.094	0.113	44	840
3	6	6	STCC	3.11	3.97	0.094	0.113	36	840
4	6	10	STCC	3.11	3.97	0.094	0.113	36	840
3G	6	-	STCC	3.11	3.97	0.094	0.113	44	840
4G	6	-	STCC	3.11	3.97	0.094	0.113	36	840
5G	6	-	STCC	3.11	3.97	0.094	0.113	36	840
2	10	10	STCC	1.84	2.35	0.088	0.105	61	1400
3	10	10	STCC	1.84	2.35	0.088	0.105	50	1400
4	10	10	STCC	1.84	2.35	0.088	0.105	50	1400
3G	10	-	STCC	1.84	2.35	0.088	0.105	61	1400
4G	10	-	STCC	1.84	2.35	0.088	0.105	50	1400
5G	10	-	STCC	1.84	2.35	0.088	0.105	50	1400
2	16	16	STCC	1.16	1.48	0.083	0.099	82	2240
3	16	16	STCC	1.16	1.48	0.083	0.099	67	2240
4	16	16	STCC	1.16	1.48	0.083	0.099	67	2240
3G	16	-	STCC	1.16	1.48	0.083	0.099	82	2240
4G	16	-	STCC	1.16	1.48	0.083	0.099	67	2240
5G	16	-	STCC	1.16	1.48	0.083	0.099	67	2240
2	25	16	STCC	0.734	0.936	0.082	0.098	108	3500
3	25	16	STCC	0.734	0.936	0.082	0.098	89	3500
4	25	16	STCC	0.734	0.936	0.082	0.098	89	3500
3G	25	-	STCC	0.734	0.936	0.082	0.098	108	3500
4G	25	-	STCC	0.734	0.936	0.082	0.098	89	3500
5G	25	-	STCC	0.734	0.936	0.08	0.098	89	3500
2	35	16	STCC	0.529	0.675	0.079	0.095	133	4900
3	35	16	STCC	0.529	0.675	0.079	0.095	110	4900
4	35	16	STCC	0.529	0.675	0.079	0.095	110	4900
3G	35	-	STCC	0.529	0.675	0.079	0.095	133	4900
4G	35	-	STCC	0.529	0.675	0.079	0.095	110	4900
5G	35	-	STCC	0.529	0.675	0.079	0.095	110	4900
2	50	25	STCC	0.391	0.499	0.078	0.094	167	7000
3	50	25	STCC	0.391	0.499	0.078	0.094	137	7000

Number of elements	Cross section core, mm ²	Electrical Cross section braid, 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
4	50	25	STCC	0.391	0.499	0.078	0.094	137	7000
4G	50	-	STCC	0.391	0.499	0.078	0.094	137	7000
5G	50	-	STCC	0.391	0.499	0.078	0.094	137	7000
2	70	35	STCC	0.27	0.344	0.075	0.090	206	9800
3	70	35	STCC	0.27	0.344	0.075	0.090	169	9800
4	70	35	STCC	0.27	0.344	0.075	0.090	169	9800
5	70	35	STCC	0.27	0.344	0.075	0.090	169	9800
3G	70	-	STCC	0.27	0.344	0.075	0.090	206	9800
4G	70	-	STCC	0.27	0.344	0.075	0.090	169	9800
5G	70	-	STCC	0.27	0.344	0.075	0.090	169	9800
2	95	50	STCC	0.195	0.249	0.075	0.090	249	13300
3	95	50	STCC	0.195	0.249	0.075	0.090	205	13300
4	95	50	STCC	0.195	0.249	0.075	0.090	205	13300
3G	95	-	STCC	0.195	0.249	0.075	0.090	249	13300
4G	95	-	STCC	0.195	0.249	0.075	0.090	205	13300
5G	95	-	STCC	0.195	0.249	0.075	0.090	205	13300
2	120	60	STCC	0.154	0.196	0.073	0.088	288	16800
3	120	60	STCC	0.154	0.196	0.073	0.088	237	16800
4	120	60	STCC	0.154	0.196	0.073	0.088	237	16800
4G	120	-	STCC	0.154	0.196	0.073	0.088	237	16800
5G	120	-	STCC	0.154	0.196	0.073	0.088	237	16800
4G	150	-	STCC	0.126	0.161	0.073	0.088	272	21000
5G	150	-	STCC	0.126	0.161	0.073	0.088	272	21000
4G	185	-	STCC	0.1	0.128	0.073	0.088	311	25900

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 x total cross section (mm ²) of conductors	-20°C



BFOU M P105 Arctic Grade CSA 22.2

FlexFlame 1kV

MGT/EPR/EPR/TCWB/EVA

NEK TS 606:2016 Code P105 Arctic Grade



Fire resistant, flame retardant halogenfree power cable. Oil & Mud resistant. Cold bend / Cold impact resistant

Operating temperature : 90°C

Operating Voltage : 0,6/1(1,2)kV

Application

Fixed installation for power, control and lighting in both EX (Zone 0, 1 & 2) and safe areas, emergency and critical systems where requirement for fire resistance exists. For installation in areas exposed to MUD and drilling/cleaning fluids. Meets the OIL & MUD resistance requirement in NEK TS 606:2016. Meets the cold bend/ cold impact requirement in CSA 22.2 0.3-01 and IEC 60092-350 Clause 8.9 & Annex E at -40°C/-35°C.

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 60331-1, -2, -21	-Fire Resistant
IEC 60754-1,2	-Halogen Free
IEC 61034-1,2	-Low Smoke
CSA 22.2 0.3-01 (-40°C/-35°C) / IEC 60092-350 Annex E (-40°C/-35°C)	Cold Bend / Cold Impact

Construction

	Code letter	
Conductor		Tinned annealed stranded circular copper, IEC 60228 class 2
Insulation	B	Mica-tape + EP-rubber, IEC 60092-351 (EPR)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering	F	Flame retardant and halogen-free thermoplastic compound
Tape over inner covering		PET tape
Armour/screen	O	Tinned annealed copper wire braid
Tape over armour/screen		PET tape
Outer sheath	U	Flame retardant, halogen-free, mud and cold bend / cold impact resistant thermoset compound, SHF2 (IEC 60092-359)
Marking text (example)		E.g. "meter" "year" DRAKA 01 BFOU M 0.6/1kV P105 2X 6 mm ² + E FLEX - FLAME IEC 60092-353 IEC 60331-2 IEC 60331-21 IEC 60332-3-22 ARCTIC GRADE Cold bend (-40 deg. C) / Cold impact (-35 deg. C)
Manufacturing unit		DRAKA 01 = Draka Norsk Kabel
Outer sheath color		Black

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 - Core
 identification - to HD308S2 - and IEC 60445:Edition 5.0 2010-08

Range and dimensions

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Inner covering, mm	Diameter inner covering, mm	Diameter Braid Wire, mm	Mechanical cross-section of the braid, mm ²	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info
1	16	4	5,15	1	1,1	10 ±0,8	0,2	5,3	1,2	13 ±0,8	370	198	8065188
1	70	10	10,85	1,6	1,1	18,5±0,8	0,3	12,7	1,4	20,55 ± 1	1120	996	8065437
1	95	10	12,35	1,6	1,1	18,5±0,8	0,3	15,3	1,5	22,5 ± 1	1390	967	8089709
3G	2.5	-	2.0	1.0	1.1	11.5 ± 0.8	0.3	8.5	1.3	15.5 ± 0.8	400	146	8001687
4G	2.5	-	2.0	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	470	185	8002533
5G	2.5	-	2.0	1.0	1.1	13.5 ± 0.8	0.3		1.4	18 ± 0.8	545	204	on request
3G	6	-	3.1	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	630	278	on request
2	16	16	5.0	1.0	1.1	17 ± 0.8	0.4	18.1	1.5	21.5 ± 1	940	455	8090131
4G	16	16	5,15	1,0	1,2	20,5± 1	0,3	15,3	1,6	25± 1	1330	734	8002702
5G	16	16	5,15	1,0	1,2	23± 1	0,3	17,8	1,7	27,5± 1	1610	905	8042845

Electrical values power cables

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm 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	95	10	0,195	0,249	0,097	0,117	293	13300
3G	2.5	-	7.56	9.64	0.107	0.129	26	350
4G	2.5	-	7.56	9.64	0.107	0.129	21	350
5G	2.5	-	7.56	9.64	0.107	0.129	21	350
3G	6	-	3.11	3.97	0.094	0.113	44	840
2	16	16	1.16	1.48	0.083	0.099	82	2240

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	-40°C



RFOU M P1/P8/P101

0.6/1(1.2)KV
EPR/EPR/TCWB/EVA



RFOU 1kV NEK TS 606 Code P101
RFOU M 1kV NEK TS 606 P1/P8/P101

Operating temperature: 90°C
Operating Voltage: 0,6/1(1,2)kV

Halogen-free, flame retardant and mud-resistant cable for use on board ships, offshore units and fixed installations for power, control and lighting.

Application

Fixed installation for power, control and lighting in both EX (Zone 0, 1 & 2) and safe areas, general purposes. RFOU M 1kV for installation in areas exposed to MUD and drilling/cleaning fluids. Meets the Oil & Mud resistance requirement in NEK TS 606:2016.

Standards applied

- | | |
|---------------------------------|-------------------|
| IEC 60092-353 IEC 60228 class 2 | - Design |
| IEC 60092-360 | - Conductor |
| IEC 60092-360 | - Insulation |
| IEC 60332-1-2 | - Sheath |
| IEC 60332-3-22 | - Flame Retardant |
| IEC 60754-1,2 | - Flame Retardant |
| IEC 61034-1,2 | - Halogen Free |
| | - Low Smoke |

Construction

	Code letter	
Conductor		Tinned annealed stranded circular copper (STCC), IEC 60228 class 2
Insulation	R	P-rubber, IEC 60092-360 (EPR)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering	F	Flame retardant and halogen-free extruded compound
Tape over inner covering		PET tape
Armour/screen	O	Tinned annealed copper wire braid
Tape over armour/screen		PET tape
Outer sheath	U	Flame retardant, halogen-free thermoset compound, SHF2 (IEC 60092-360)
Marking text (example)		"meter" "year/week" DRAKA 01 Part no. <SAP code> RFOU M 1kV P1/P8/P101 3 x 35/16 mm ² IEC 60332-3-22 Production no. <Prod.ordre no.>
Manufacturing unit		DRAKA 01 = Prysmian Group Norge AS
Outer sheath color		Black

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 Core identification - to HD308S2 - and IEC 60445 Ed 5.0 2010-08

Range and dimensions

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Inner covering, mm	Diameter inner covering, mm	Diameter Braid Wire, mm	Mechanical cross-section of the braid, mm ²	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info Black outer sheath
1	16	4	5.05	1.0	1.1	9 ± 0.5	0.2	5.3	1.2	12.5 ± 0.8	350	191	on request
1	25	4	6.3	1.2	1.1	11 ± 0.8	0.2	6.0	1.2	14 ± 0.8	470	278	on request
1	35	6	7.4	1.2	1.1	12 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	625	400	on request
1	50	6	8.75	1.4	1.1	14 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	780	510	8000108
1	70	10	10.6	1.4	1.1	15.5 ± 0.8	0.3	12.7	1.4	19.5 ± 0.8	1040	731	on request
1	95	10	12.4	1.6	1.1	18 ± 0.8	0.3	15.3	1.5	21.5 ± 1	1345	967	on request
1	120	10	14.0	1.6	1.1	19.5 ± 0.8	0.3	15.3	1.6	23.5 ± 1	1625	1207	8035714
1	150	10	15.45	1.8	1.1	21.5 ± 1	0.3	15.3	1.6	25.5 ± 1	1910	1434	8000058
1	185	16	17.3	2.0	1.1	23.5 ± 1	0.3	17.8	1.7	27.5 ± 1	2320	1767	8002302
1	240	16	19.85	2.2	1.1	26.5 ± 1	0.3	20.4	1.8	30.5 ± 1.5	2955	2302	8000065
1	300	16	22.25	2.4	1.1	29 ± 1	0.3	22.9	1.9	33.5 ± 1.5	3630	2865	8000086
1	400	25	26.0	2.6	1.1	33.5 ± 1.5	0.4	31.7	2.1	38.5 ± 1.5	4935	3982	on request
1	500	25	29.0	2.8	1.1	36.5 ± 1.5	0.4	36.2	2.2	42 ± 2	6030	4946	on request
1	630	35	32.8	2.8	1.1	40.5 ± 2	0.4	40.7	2.3	46 ± 2	7450	6220	on request
2	1.5	4	1.6	1.0	1.1	9 ± 0.5	0.2	5.3	1.2	12.5 ± 0.8	255	78	8000133
3	1.5	4	1.6	1.0	1.1	10 ± 0.8	0.2	5.3	1.2	13 ± 0.8	285	91	8000191
4	1.5	6	1.6	1.0	1.1	10.5 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	360	135	8000257
5	1.5	6	1.6	1.0	1.1	11.5 ± 0.8	0.3	10.2	1.3	15 ± 0.8	425	165	on request
7	1.5	6	1.6	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	475	192	8000315
12	1.5	10	1.6	1.0	1.1	15 ± 0.8	0.3	13.6	1.5	19 ± 0.8	680	291	8000011
19	1.5	10	1.6	1.0	1.1	18 ± 0.8	0.3	15.3	1.6	22 ± 1	920	400	8000054
27	1.5	16	1.6	1.0	1.1	21.5 ± 1	0.3	17.8	1.8	25.5 ± 1	1230	536	8000130
37	1.5	16	1.6	1.0	1.1	24 ± 1	0.3	20.4	1.9	28.5 ± 1.0	1565	691	8000185
3G	1.5	-	1.6	1.0	1.1	10 ± 0.8	0.2	5.3	1.2	13 ± 0.8	285	91	8001569
4G	1.5	-	1.6	1.0	1.1	10.5 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	360	135	8000195
5G	1.5	-	1.6	1.0	1.1	11.5 ± 0.8	0.3	10.2	1.3	15 ± 0.8	425	165	8003588
2	2.5	4	2.0	1.0	1.1	10 ± 0.8	0.2	5.3	1.2	13 ± 0.8	300	94	8000142
3	2.5	6	2.0	1.0	1.1	10.5 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	375	146	8000213
4	2.5	6	2.0	1.0	1.1	11.5 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	440	183	8000265
5	2.5	6	2.0	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	16.5 ± 0.8	500	204	on request
7	2.5	10	2.0	1.0	1.1	13 ± 0.8	0.3	11.9	1.4	16.5 ± 0.8	575	264	8002067
12	2.5	10	2.0	1.0	1.1	17 ± 0.8	0.3	15.3	1.6	21 ± 1	855	402	8000013
19	2.5	16	2.0	1.0	1.1	20 ± 1	0.3	17.8	1.7	24 ± 1	1190	575	on request
27	2.5	16	2.0	1.0	1.1	24 ± 1	0.3	20.4	1.9	28.5 ± 1	1585	770	8001354

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Inner covering, mm	Diameter inner covering, mm	Diameter Braid Wire, mm	Mechanical cross-section of the braid, mm ²	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info Black outer sheath
37	2.5	16	2.0	1.0	1.1	29.5 ± 1	0.3	22.9	2	34 ± 1.5	1870	882	on request
3G	2.5	-	2.0	1.0	1.1	10.5 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	375	146	8001299
4G	2.5	-	2.0	1.0	1.1	11.5 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	435	183	8000215
5G	2.5	-	2.0	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	16.5 ± 0.8	500	204	8001385
7G	2.5	-	2.0	1.0	1.1	13 ± 0.8	0.3	11.9	1.4	16.5 ± 0.8	575	264	8000311
2	4	6	2.5	1.0	1.1	11 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	395	152	8000175
3	4	6	2.5	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	460	202	8000231
4	4	6	2.5	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	16.5 ± 0.8	535	236	8003004
5	4	10	2.5	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	630	287	on request
3G	4	-	2.5	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	460	202	8000177
4G	4	-	2.5	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	16.5 ± 0.8	535	236	8003587
5G	4	-	2.5	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	630	287	8003589
2	6	6	3.1	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	490	206	8000181
3	6	6	3.1	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	17 ± 0.8	565	260	8000244
4	6	10	3.1	1.0	1.1	14.5 ± 0.8	0.3	11.9	1.4	18 ± 0.8	670	330	8000302
5	6	10	3.1	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.5	19.5 ± 1	785	386	on request
3G	6	-	3.1	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	17 ± 0.8	565	260	8000182
4G	6	-	3.1	1.0	1.1	14.5 ± 0.8	0.3	11.9	1.4	18 ± 0.8	670	330	8000245
5G	6	-	3.1	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.5	19.5 ± 1	785	386	8000304
2	10	10	4.0	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	650	290	8003727
3	10	10	4.0	1.0	1.1	15 ± 0.8	0.3	11.9	1.4	19 ± 0.8	770	377	on request
4	10	10	4.0	1.0	1.1	16.5 ± 0.8	0.3	13.6	1.5	20.5 ± 1	915	480	on request
3G	10	-	4.0	1.0	1.1	15 ± 0.8	0.3	11.9	1.4	19 ± 0.8	750	377	on request
4G	10	-	4.0	1.0	1.1	16.5 ± 0.8	0.3	13.6	1.5	20.5 ± 1	905	480	8063289
5G	10	-	4.0	1.0	1.1	18 ± 0.8	0.3	15.3	1.5	22 ± 1	1085	584	8003003
2	16	16	5.05	1.0	1.1	16 ± 0.8	0.4	18.1	1.5	20.5 ± 1	895	455	8056829
3	16	16	5.05	1.0	1.1	17.5 ± 0.8	0.4	18.1	1.5	21.5 ± 1	1055	595	8000208
4	16	16	5.05	1.0	1.1	19 ± 0.8	0.3	17.8	1.6	23 ± 1	1265	731	on request
3G	16	-	5.05	1.0	1.1	17.5 ± 0.8	0.3	13.6	1.5	21 ± 1	1010	551	8003586
4G	16	-	5.05	1.0	1.1	19 ± 0.8	0.3	15.3	1.6	23 ± 1	1240	707	8000209
5G	16	-	5.05	1.0	1.1	21 ± 1	0.3	17.8	1.6	25 ± 1	1480	871	8026365
3	25	16	6.3	1.2	1.1	21 ± 1	0.3	17.8	1.6	25 ± 1	1445	833	8000220
4	25	16	6.3	1.2	1.1	23.5 ± 1	0.3	17.8	1.7	27.5 ± 1	1760	1053	on request
5	25	16	6.3	1.2	1.1	25.5 ± 1	0.3	20.4	1.8	30 ± 1.5	2130	1299	on request
3G	25	-	6.3	1.2	1.1	21 ± 1	0.3	15.3	1.6	25 ± 1	1420	811	on request
4G	25	-	6.3	1.2	1.1	23.5 ± 1	0.3	17.8	1.7	27.5 ± 1	1760	1053	8000221
5G	25	-	6.3	1.2	1.1	25.5 ± 1	0.3	20.4	1.8	30 ± 1.5	2130	1299	8000273
3	35	16	7.4	1.2	1.1	23.5 ± 1	0.3	17.8	1.7	27.5 ± 1	1805	1080	8000227
4	35	16	7.4	1.2	1.1	26 ± 1	0.3	20.4	1.8	30.5 ± 1.5	2250	1408	8001803

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Inner covering, mm	Diameter inner covering, mm	Diameter Braid Wire, mm	Mechanical cross-section of the braid, mm ²	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info Black outer sheath
3G	35	-	7.4	1.2	1.1	23.5 ± 1	0.3	17.8	1.7	27.5 ± 1	1805	1080	on request
4G	35	-	7.4	1.2	1.1	26 ± 1	0.3	20.4	1.8	30.5 ± 1.5	2245	1408	on request
5G	35	-	7.4	1.2	1.1	29 ± 1.5	0.3	22.9	1.9	33.5 ± 1.5	2705	1735	on request
2	50	25	8.75	1.4	1.1	25 ± 1	0.4	27.1	1.8	30 ± 1.5	1975	1086	on request
3	50	25	8.75	1.4	1.1	27 ± 1	0.4	27.1	1.9	32 ± 1.5	2425	1497	8000238
4	50	25	8.75	1.4	1.1	30 ± 1.5	0.4	27.1	2	35 ± 1.5	2990	1908	8000299
4G	50	-	8.75	1.4	1.1	30 ± 1.5	0.3	22.9	2	34.5 ± 1.5	2945	1866	8000240
5G	50	-	8.75	1.4	1.1	33 ± 1.5	0.4	36.2	2.1	38.5 ± 1.5	3700	2407	on request
2	70	35	10.6	1.4	1.1	29 ± 1.5	0.5	42.4	1.9	34 ± 1.5	2740	1629	on request
3	70	35	10.6	1.4	1.1	31 ± 1.5	0.5	42.4	2	36.5 ± 1.5	3390	2239	8062367
4	70	35	10.6	1.4	1.1	34.5 ± 1.5	0.4	40.7	2.2	40 ± 2	4195	2832	on request
5	70	35	10.6	1.4	1.1	38 ± 1.5	0.4	40.7	2.3	44 ± 2	5030	3441	on request
4G	70	-	10.6	1.4	1.1	34.5 ± 1.5	0.4	40.7	2.2	40 ± 2	4195	2832	8003591
5G	70	-	10.6	1.4	1.1	38 ± 1.5	0.4	40.7	2.3	44 ± 2	5025	3441	on request
2	95	50	12.4	1.6	1.4	34 ± 1.5	0.5	49.5	2.1	39.5 ± 1.5	3630	2123	on request
3	95	50	12.4	1.6	1.4	36.5 ± 1.5	0.5	49.5	2.2	42 ± 2	4505	2944	8000251
4	95	50	12.4	1.6	1.4	40.5 ± 2	0.5	49.5	2.4	46.5 ± 2	5580	3766	8000307
4G	95	-	12.4	1.6	1.4	40.5 ± 2	0.4	40.7	2.4	46 ± 2	5490	3681	8079789
5G	95	-	12.4	1.6	1.4	45 ± 2	0.4	45.2	2.5	51 ± 2.5	6655	4546	on request
2	120	60	14.0	1.6	1.4	37 ± 1.5	0.61	63.1	2.2	43 ± 2	4510	2735	on request
3	120	60	14.0	1.6	1.4	40 ± 2	0.61	63.1	2.3	46 ± 2	5615	3798	8000199
4	120	60	14.0	1.6	1.4	44.5 ± 2	0.61	63.1	2.5	51 ± 2.5	6960	4859	on request
4G	120	-	14.0	1.6	1.4	44.5 ± 2	0.4	45.2	2.5	50.5 ± 2.5	6765	4686	8076780
5G	120	-	14.0	1.6	1.4	49.5 ± 2	0.5	49.5	2.7	56 ± 2.5	8290	5793	on request
3G	150	-	15.45	1.8	1.4	44 ± 2	0.4	45.2	2.5	50 ± 2.5	6445	4301	on request
4G	150	-	15.45	1.8	1.4	49 ± 2	0.5	56.5	2.7	55.5 ± 2.5	8190	5701	on request
5G	150	-	15.45	1.8	1.4	54.5 ± 2.5	0.5	56.5	2.9	61.5 ± 3	9950	6997	on request
4G	185	-	17.3	2.0	1.4	54 ± 2.5	0.5	56.5	2.9	61 ± 3	10015	6959	on request

Electrical values power cables

Number of elements	Cross section core, mm ²	Electrical Cross section braid, 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	4	STCC	1.16	1.48	0.117	0.141	96	2240
1	25	4	STCC	0.734	0.936	0.111	0.133	127	3500
1	35	6	STCC	0.529	0.675	0.107	0.129	157	4900
1	50	6	STCC	0.391	0.499	0.106	0.127	196	7000
1	70	10	STCC	0.27	0.344	0.100	0.120	242	9800
1	95	10	STCC	0.195	0.249	0.097	0.117	293	13300

Number of elements	Cross section core, mm ²	Electrical Cross section braid, 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	120	10	STCC	0.154	0.196	0.095	0.114	339	16800
1	150	10	STCC	0.126	0.161	0.094	0.112	389	21000
1	185	16	STCC	0.1	0.128	0.092	0.110	444	25900
1	240	16	STCC	0.0762	0.0972	0.090	0.108	522	33600
1	300	16	STCC	0.0607	0.0774	0.088	0.105	601	42000
1	400	25	STCC	0.0475	0.0606	0.087	0.105	690 dc / 670 ac	56000
1	500	25	STCC	0.0369	0.0471	0.086	0.103	780 dc / 720 ac	70000
1	630	35	STCC	0.0286	0.0365	0.084	0.100	890 dc / 780 ac	88200
2	1.5	4	STCC	12.2	15.6	0.110	0.132	20	210
3	1.5	4	STCC	12.2	15.6	0.110	0.132	16	210
4	1.5	6	STCC	12.2	15.6	0.110	0.132	16	210
5	1.5	6	STCC	12.2	15.6	0.110	0.132	13.5	210
7	1.5	6	STCC	12.2	15.6	0.110	0.132	12	210
12	1.5	10	STCC	12.2	15.6	0.110	0.132	10	210
19	1.5	10	STCC	12.2	15.6	0.110	0.132	8.5	210
27	1.5	16	STCC	12.2	15.6	0.110	0.132	7.5	210
37	1.5	16	STCC	12.2	15.6	0.110	0.132	7	210
3G	1.5	-	STCC	12.2	15.6	0.110	0.132	20	210
4G	1.5	-	STCC	12.2	15.6	0.110	0.132	16	210
5G	1.5	-	STCC	12.2	15.6	0.110	0.132	16	210
2	2.5	4	STCC	7.56	9.64	0.103	0.123	26	350
3	2.5	6	STCC	7.56	9.64	0.103	0.123	21	350
4	2.5	6	STCC	7.56	9.64	0.103	0.123	21	350
7	2.5	6	STCC	7.56	9.64	0.103	0.123	15.5	350
12	2.5	10	STCC	7.56	9.64	0.103	0.123	13	350
19	2.5	10	STCC	7.56	9.64	0.103	0.123	11	350
27	2.5	16	STCC	7.56	9.64	0.103	0.123	10	350
3G	2.5	-	STCC	7.56	9.64	0.103	0.123	26	350
4G	2.5	-	STCC	7.56	9.64	0.103	0.123	21	350
5G	2.5	-	STCC	7.56	9.64	0.103	0.123	21	350
7G	2.5	-	STCC	7.56	9.64	0.103	0.123	16.5	350
2	4	6	STCC	4.7	5.99	0.096	0.115	34	560
3	4	6	STCC	4.7	5.99	0.096	0.115	28	560
4	4	6	STCC	4.7	5.99	0.096	0.115	28	560
5	4	10	STCC	4.7	5.99	0.096	0.115	23.5	560
3G	4	-	STCC	4.7	5.99	0.096	0.115	34	560
4G	4	-	STCC	4.7	5.99	0.096	0.115	28	560
5G	4	-	STCC	4.7	5.99	0.096	0.115	28	560

Number of elements	Cross section core, mm ²	Electrical Cross section braid, 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
2	6	6	STCC	3.11	3.97	0.091	0.109	44	840
3	6	6	STCC	3.11	3.97	0.091	0.109	36	840
4	6	10	STCC	3.11	3.97	0.091	0.109	36	840
5	6	10	STCC	3.11	3.97	0.091	0.109	30.5	840
3G	6	-	STCC	3.11	3.97	0.091	0.109	44	840
4G	6	-	STCC	3.11	3.97	0.091	0.109	36	840
5G	6	-	STCC	3.11	3.97	0.091	0.109	36	840
2	10	10	STCC	1.84	2.35	0.085	0.102	61	1400
3	10	10	STCC	1.84	2.35	0.085	0.102	50	1400
4	10	10	STCC	1.84	2.35	0.085	0.102	50	1400
3G	10	-	STCC	1.84	2.35	0.085	0.102	61	1400
4G	10	-	STCC	1.84	2.35	0.085	0.102	50	1400
5G	10	-	STCC	1.84	2.35	0.085	0.102	50	1400
2	16	16	STCC	1.16	1.48	0.080	0.096	80	2240
3	16	16	STCC	1.16	1.48	0.080	0.096	67	2240
4	16	16	STCC	1.16	1.48	0.080	0.096	67	2240
3G	16	-	STCC	1.16	1.48	0.080	0.096	80	2240
4G	16	-	STCC	1.16	1.48	0.080	0.096	67	2240
5G	16	-	STCC	1.16	1.48	0.080	0.096	67	2240
3	25	16	STCC	0.734	0.936	0.080	0.095	89	3500
4	25	16	STCC	0.734	0.936	0.080	0.095	89	3500
5	25	16	STCC	0.734	0.936	0.080	0.095	74	3500
3G	25	-	STCC	0.734	0.936	0.080	0.095	108	3500
4G	25	-	STCC	0.734	0.936	0.080	0.095	89	3500
5G	25	-	STCC	0.734	0.936	0.080	0.095	89	3500
3	35	16	STCC	0.529	0.675	0.077	0.092	110	4900
4	35	16	STCC	0.529	0.675	0.077	0.092	110	4900
3G	35	-	STCC	0.529	0.675	0.077	0.092	133	4900
4G	35	-	STCC	0.529	0.675	0.077	0.092	110	4900
5G	35	-	STCC	0.529	0.675	0.077	0.092	110	4900
2	50	25	STCC	0.391	0.499	0.077	0.092	167	7000
3	50	25	STCC	0.391	0.499	0.077	0.092	137	7000
4	50	25	STCC	0.391	0.499	0.077	0.092	137	7000
4G	50	-	STCC	0.391	0.499	0.077	0.092	137	7000
5G	50	-	STCC	0.391	0.499	0.077	0.092	137	7000

Number of elements	Cross section core, mm ²	Electrical Cross section braid, 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
2	70	35	STCC	0.27	0.344	0.074	0.089	206	9800
3	70	35	STCC	0.27	0.344	0.074	0.089	169	9800
4	70	35	STCC	0.27	0.344	0.074	0.089	169	9800
5	70	35	STCC	0.27	0.344	0.074	0.089	141.5	9800
4G	70	-	STCC	0.27	0.344	0.074	0.089	169	9800
5G	70	-	STCC	0.27	0.344	0.074	0.089	169	9800
2	95	50	STCC	0.195	0.249	0.074	0.088	249	13300
3	95	50	STCC	0.195	0.249	0.074	0.088	205	13300
4	95	50	STCC	0.195	0.249	0.074	0.088	205	13300
4G	95	-	STCC	0.195	0.249	0.074	0.088	205	13300
5G	95	-	STCC	0.195	0.249	0.074	0.088	205	13300
2	120	60	STCC	0.154	0.196	0.072	0.087	288	16800
3	120	60	STCC	0.154	0.196	0.072	0.087	237	16800
4	120	60	STCC	0.154	0.196	0.072	0.087	237	16800
4G	120	-	STCC	0.154	0.196	0.072	0.087	237	16800
5G	120	-	STCC	0.154	0.196	0.072	0.087	237	16800
3G	150	-	STCC	0.126	0.161	0.072	0.087	331	21000
4G	150	-	STCC	0.126	0.161	0.072	0.087	272	21000
5G	150	-	STCC	0.126	0.161	0.072	0.087	272	21000
4G	185	-	STCC	0.1	0.128	0.072	0.087	311	25900

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

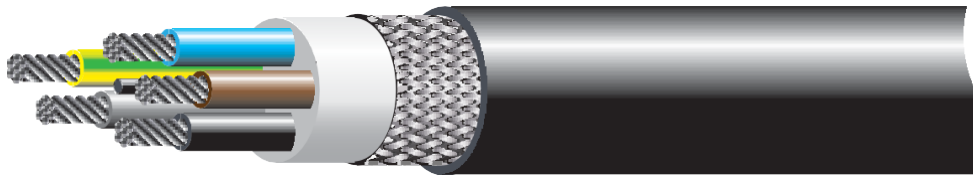
Installation recommendations

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	-20°C



BU P17/P110

0.6/1 (1.2)KV Unarmoured
EPR/EPR/TCWB/EVA



BU 1kV **NEK TS 606 Code P110**
BU M 1kV **NEK TS 606 P17/P110**

Operating temperature: **90°C**
Operating Voltage: **0,6/1(1,2)kV**

Halogen-free, fire-resistant, flame retardant and mud-resistant cable for use on board ships, offshore units and fixed installations for power, control and lighting, emergency and critical systems where fire resistance is required.

Application

Fixed installation for power, control and lighting in safe areas, emergency and critical systems where requirement for fire resistance exists.

BU M 1kV meets the Oil & Mud resistance requirement in NEK TS 606:2016.

These cables are double-insulated and Single core cables are used as battery cables.

Standards applied

- | | |
|---------------------------------|-------------------|
| IEC 60092-353 IEC 60228 class 2 | - Design |
| IEC 60092-360 | - Conductor |
| IEC 60092-360 | - Insulation |
| IEC 60332-1-2 | - Sheath |
| IEC 60332-3-22 | - Flame Retardant |
| IEC 60331-1,-2,-21 | - Flame Retardant |
| IEC 60754-1,2 | - Fire Resistant |
| IEC 61034-1,2 | - Halogen Free |
| | - Low Smoke |

Construction

	Code letter	
Conductor		Tinned annealed stranded circular copper (STCC), IEC 60228 class 2
Insulation	B	Mica-tape + EP-rubber, IEC 60092-360 (EPR)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering		No inner covering. (Additional tapes may be applied)
Armour/screen		No armour
Outer sheath	U	Flame retardant, halogen-free thermoset compound, SHF2 (IEC 60092-360)
Marking text (example)		"meter" "year/week" DRAKA 01 Part no. <SAP code> BU M 0,6/1kV P17/P110 1 x 70 mm ² IEC 60092-353 IEC 60331-1*) or IEC 60331-2*) IEC 60331-21**) IEC 60332-3-22 Production no. <Prod.ordre no.>
Manufacturing unit		DRAKA 01 = Prysmian Group Norge AS
Outer sheath color		Black

*) IEC 60331-1 for cables with an overall diameter exceeding 20 mm and IEC 60331-2 for cables with an overall diameter not exceeding 20 mm
**) IEC 60331-21 also at enhanced temperature 1000°C for 180 minutes

Range and dimensions

Number of elements	Cross section core, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info Black outer sheath
1	10	4.0	1.0	1	8.5 ± 0.5	157	87	on request
1	16	5.05	1.0	1.1	9.5 ± 0.5	223	139	800061
1	25	6.3	1.2	1.1	11.5 ± 0.8	331	220	on request
1	35	7.4	1.2	1.2	12.5 ± 0.8	434	302	8035267
1	50	8.75	1.4	1.2	14.5 ± 0.8	577	410	8000106
1	70	10.6	1.4	1.3	16.5 ± 0.8	809	608	on request
1	95	12.35	1.6	1.4	19 ± 0.8	1070	819	on request
1	120	14.0	1.6	1.4	20.5 ± 1	1338	1059	on request
1	150	15.4	1.8	1.5	22.5 ± 1	1618	1284	on request
1	185	17.3	2.0	1.6	24.5 ± 1	1989	1595	on request
1	240	19.85	2.2	1.7	28 ± 1	2593	2105	on request
2	1.5	1.6	1.0	1.1	9.5 ± 0.5	138	27	8000132
7	1.5	1.6	1.0	1.2	12.5 ± 0.8	284	93	on request
12	1.5	1.6	1.0	1.4	17 ± 0.8	457	159	on request
19	1.5	1.6	1.0	1.5	20 ± 1	685	252	8000052
3G	1.5	1.6	1.0	1.1	10 ± 0.8	161	40	8002524
2	2.5	2.0	1.0	1.1	10.5 ± 0.8	173	43	on request
3	2.5	2.0	1.0	1.1	11 ± 0.8	204	64	on request
7	2.5	2.0	1.0	1.3	14 ± 0.8	375	149	on request
3G	2.5	2.0	1.0	1.1	11 ± 0.8	204	64	8001773
4G	2.5	2.0	1.0	1.2	12.5 ± 0.8	252	85	on request
5G	2.5	2.0	1.0	1.2	13.5 ± 0.8	309	106	8080095
2	4	2.5	1.0	1.1	11.5 ± 0.8	223	69	on request
3	4	2.5	1.0	1.2	12.5 ± 0.8	277	103	on request
3G	4	2.5	1.0	1.2	12.5 ± 0.8	277	103	on request
4G	4	2.5	1.0	1.2	13.5 ± 0.8	337	138	on request
5G	4	2.5	1.0	1.3	15.5 ± 0.8	418	172	on request
2	6	3.1	1.0	1.2	13 ± 0.8	297	108	8000180
3	6	3.1	1.0	1.2	13.5 ± 0.8	363	162	on request
4G	6	3.1	1.0	1.3	15.5 ± 0.8	454	216	on request
2	10	4.0	1.0	1.2	14.5 ± 0.8	411	175	on request
3	10	4.0	1.0	1.3	16 ± 0.8	535	272	on request
4G	10	4.0	1.0	1.3	17.5 ± 0.8	645	349	on request

Number of elements	Cross section core, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info Black outer sheath
3	16	5.05	1.0	1.4	18.5 ± 0.8	743	419	8000207
4G	16	5.05	1.0	1.4	20 ± 1	936	559	8006911
4G	35	7.4	1.2	1.7	27.5 ± 1	1888	1211	on request
4	50	8.75	1.4	1.8	31.5 ± 1.5	2506	1645	on request
3	70	10.6	1.4	1.9	33 ± 1.5	2760	1829	on request
3	120	14.0	1.6	2.1	41.5 ± 2	4607	3187	on request
4G	150	15.4	1.8	2.5	51 ± 2.5	7220	5149	on request

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

Core identification - to HD308S2 - and IEC 60445 Ed 5.0 2010-08

Electrical values power cables

Number of elements	Cross section core, mm 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	10	1.84	2.35	0.107	0.128	72	1400
1	16	1.16	1.48	0.101	0.121	96	2240
1	25	0.734	0.936	0.097	0.116	127	3500
1	35	0.529	0.675	0.094	0.112	157	4900
1	50	0.391	0.499	0.092	0.111	196	7000
1	70	0.27	0.344	0.088	0.106	242	9800
1	95	0.195	0.249	0.087	0.104	293	13300
1	120	0.154	0.196	0.084	0.101	339	16800
1	150	0.126	0.161	0.084	0.101	389	21000
1	185	0.1	0.128	0.083	0.100	444	25900
1	240	0.0762	0.128	0.082	0.099	522	33600
2	1.5	12.2	15.6	0.115	0.138	20	210
7	1.5	12.2	15.6	0.115	0.138	12	210
12	1.5	12.2	15.6	0.115	0.138	10	210
19	1.5	12.2	15.6	0.115	0.138	8.5	210

Number of elements	Cross section core, mm 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	1.5	12.2	15.6	0.115	0.138	20	210
2	2.5	7.56	9.64	0.107	0.129	26	350
3	2.5	7.56	9.64	0.107	0.129	21	350
7	2.5	7.56	9.64	0.107	0.129	16	350
3G	2.5	7.56	9.64	0.107	0.129	26	350
4G	2.5	7.56	9.64	0.107	0.129	21	350
5G	2.5	7.56	9.64	0.107	0.129	21	350
3	4	4.7	5.99	0.100	0.120	28	560
3G	4	4.7	9.64	0.100	0.120	34	560
4G	4	4.7	9.64	0.100	0.120	28	560
2	6	3.11	3.97	0.094	0.113	44	840
3	6	3.11	3.97	0.094	0.113	36	840
4G	6	3.11	3.97	0.094	0.113	36	840
2	10	1.84	3.97	0.088	0.105	61	1400
3	10	1.84	2.35	0.088	0.105	50	1400
4G	10	1.84	2.35	0.088	0.105	50	1400
3	16	1.16	1.48	0.083	0.099	67	2240
4G	16	1.16	1.48	0.083	0.099	67	2240
4G	35	0.529	0.675	0.079	0.095	110	4900
4	50	0.391	0.499	0.078	0.094	137	7000
3	120	0.154	0.196	0.073	0.088	237	16800
4G	150	0.126	0.161	0.073	0.088	272	21000

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

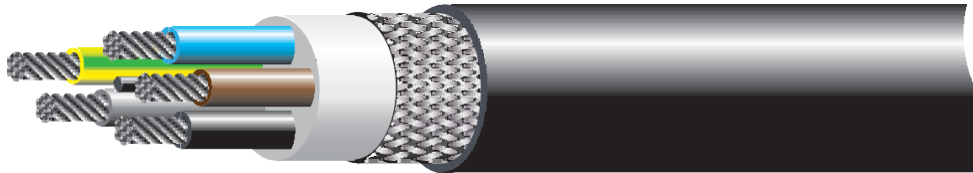
Installation recommendations

Overall diameter of cable (D)	Minimum Bending Radius during Installation	Minimum Bending Radius Fixed Installed	Maximum Tensile Load During Installation	Minimum Installation Temperature
≤25 mm	8 x D	4 x D	50 N/mm ²	-20°C
>25 mm		6 x D		



RU P18/P111

0.6/1 (1.2)KV - Unarmoured
EPR/EVA



RU 1kV NEK TS 606 Code P111
RU M 1kV NEK TS 606 P18/P111

Operating temperature: 90°C
Operating Voltage: 0,6/1(1,2)kV

Halogen-free, flame retardant and mud-resistant cable for use on board ships, offshore units and fixed installations for power, control and lighting.

Application

Fixed installation for power, control and lighting in both EX- and safe areas, general purposes. RU M 1kv meets the Oil & Mud resistance requirement in NEK TS 606:2016.

These cables are double-insulated and Single core cables are used as battery cables.

Standards applied

IEC 60092-353 IEC 60228 class 2	- Design
IEC 60092-360	- Conductor
IEC 60092-360	- Insulation
IEC 60332-1-2	- Sheath
IEC 60332-3-22	- Flame Retardant
IEC 60754-1,2	- Flame Retardant
IEC 61034-1,2	- Halogen Free
	- Low Smoke

Construction

	Code letter	
Conductor		Tinned annealed stranded circular copper (STCC), IEC 60228 class 2
Insulation	R	EP-RU Mbber, IEC 60092-360 (EPR)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering		No inner covering. (Additional tapes may be applied)
Armour/screen		No armour
Outer sheath	U	Flame retardant, halogen-free thermoset compound, SHF2 (IEC 60092-360)
Marking text (example)		"meter" "year/week" DRAKA 01 Part no. <SAP code> RU M 1KV P18/P111 3 x 2,5mm² IEC 60332-3-22 Production no. <Prod.ordre no.>
Manufacturing unit		DRAKA 01 = Prysmian Group Norge AS
Outer sheath color		Black

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 Core identification - to HD308S2 - and IEC 60445 Ed 5.0 2010-08

Range and dimensions

Number of elements	Cross section core, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info
1	6	3.1	1.0	1.0	7.5 ± 0.5	110	54	on request
1	10	4.0	1.0	1.0	8 ± 0.5	154	87	on request
1	16	5.05	1.0	1.1	9.5 ± 0.8	221	139	on request
1	70	10.6	1.4	1.3	16 ± 0.8	797	608	on request
1	300	22.2	2.4	1.8	30.5 ± 1.5	3191	2644	8000087
2	1.5	1.6	1.0	1.1	9 ± 0.5	126	27	8021343
3	1.5	1.6	1.0	1.1	9.5 ± 0.8	149	40	on request
4	1.5	1.6	1.0	1.1	10.5 ± 0.8	178	53	8021469
5	1.5	1.6	1.0	1.2	12 ± 0.8	229	66	8021478
7	1.5	1.6	1.0	1.2	13 ± 0.8	272	93	on request
3G	1.5	1.6	1.0	1.1	9.5 ± 0.8	148	40	on request
2	2.5	2.0	1.0	1.1	10 ± 0.8	160	43	on request
3	2.5	2.0	1.0	1.1	10.5 ± 0.8	189	64	on request
7	2.5	2.0	1.0	1.3	14 ± 0.8	363	149	on request
3G	2.5	2.0	1.0	1.1	10.5 ± 0.8	190	64	8021345
4G	2.5	2.0	1.0	1.2	11.5 ± 0.8	236	85	
5G	2.5	2.0	1.0	1.2	13 ± 0.8	293	106	8002007
2	4	2.5	1.0	1.1	11 ± 0.8	208	69	on request
3	4	2.5	1.0	1.2	12 ± 0.8	260	103	on request
3G	4	2.5	1.0	1.2	12 ± 0.8	259	103	on request
4G	4	2.5	1.0	1.2	13 ± 0.8	318	138	on request
2	6	3.1	1.0	1.2	12.5 ± 0.8	281	108	on request
3	6	3.1	1.0	1.2	13 ± 0.8	348	162	on request
4	6	3.1	1.0	1.3	14.5 ± 0.8	437	216	on request
3G	6	3.1	1.0	1.2	13 ± 0.8	348	162	on request
5G	6	3.1	1.0	1.3	16.5 ± 0.8	536	270	on request
2	10	4.0	1.0	1.2	14 ± 0.8	396	175	on request
3	10	4.0	1.0	1.3	15 ± 0.8	504	262	on request
4	10	4.0	1.0	1.3	17 ± 0.8	629	349	on request

Number of elements	Cross section core, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info
4G	10	4.0	1.0	1.3	17 ± 0.8	629	349	on request
2	16	5.05	1.0	1.3	16.5 ± 0.8	568	280	on request
3	16	5.05	1.0	1.4	17.5 ± 0.8	728	419	on request
4	16	5.05	1.0	1.4	19.5 ± 0.8	925	559	8002338
4G	16	5.05	1.0	1.4	19.5 ± 0.8	925	559	on request
2	25	6.3	1.2	1.4	20 ± 1	851	441	on request
3	25	6.3	1.2	1.5	21.5 ± 1	1096	661	on request
4	25	6.3	1.2	1.6	24 ± 1	1408	881	on request
4G	25	6.3	1.2	1.6	24 ± 1	1407	881	on request
2	35	7.4	1.2	1.5	22.5 ± 1	1110	606	on request
4	35	7.4	1.2	1.7	27 ± 1	1839	1211	on request
3	70	10.6	1.4	1.9	32 ± 1.5	2705	1828	on request
4	70	10.6	1.4	2	36 ± 1.5	3479	2438	on request
5G	70	10.6	1.4	2.1	40 ± 2	4278	3047	on request
3	95	12.35	1.6	2.0	37 ± 1.5	3612	2464	on request
4	95	12.35	1.6	2.2	41.5 ± 2	4653	3286	on request
4	150	15.45	1.8	2.5	50.5 ± 2.5	7134	5149	on request

Electrical values power cables

Number of elements	Cross section core, mm 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	6	3.11	3.97	0.113	0.136	52	840
1	70	0.27	0.344	0.087	0.104	242	9800
1	300	0.0607	0.0774	0.080	0.096	601	42000
2	1.5	12.2	15.6	0.110	0.132	20	210
3	1.5	12.2	15.6	0.110	0.132	16	210
4	1.5	12.2	15.6	0.110	0.132	16	210
5	1.5	12.2	15.6	0.110	0.132	13.5	210
7	1.5	12.2	15.6	0.110	0.132	12	210
3G	1.5	12.2	15.6	0.110	0.132	20	210
2	2.5	7.56	9.64	0.103	0.123	26	350
3	2.5	7.56	9.64	0.103	0.123	21	350
7	2.5	7.56	9.64	0.103	0.123	15.5	350

Number of elements	Cross section core, mm 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	7.56	9.64	0.103	0.123	26	350
4G	2.5	7.56	9.64	0.103	0.123	21	350
5G	2.5	7.56	9.64	0.103	0.123	21	350
2	4	4.7	5.99	0.096	0.115	34	560
3	4	4.7	5.99	0.096	0.115	28	560
3G	4	4.7	5.99	0.096	0.115	34	560
2	6	3.11	3.97	0.091	0.109	44	840
3	6	3.11	3.97	0.091	0.109	36	840
4	6	3.11	3.97	0.091	0.109	36	840
3G	6	3.11	3.97	0.091	0.109	44	840
5G	6	3.11	3.97	0.091	0.109	36	840
2	10	1.84	2.35	0.085	0.102	61	1400
3	10	1.84	2.35	0.085	0.102	50	1400
4	10	1.84	2.35	0.085	0.102	50	1400
4G	10	1.84	2.35	0.085	0.102	50	1400
2	16	1.16	1.48	0.08	0.096	80	2240
3	16	1.16	1.48	0.08	0.096	67	2240
4	16	1.16	1.48	0.08	0.096	67	2240
4G	16	1.16	1.48	0.08	0.096	67	2240
2	25	0.734	0.936	0.08	0.095	108	3500
3	25	0.734	0.936	0.08	0.095	89	3500
4	25	0.734	0.936	0.08	0.095	89	3500
4G	25	0.734	0.936	0.08	0.095	89	3500
2	35	0.529	0.675	0.077	0.092	133	4900
4	35	0.529	0.675	0.077	0.092	110	4900
3	70	0.27	0.344	0.074	0.089	169	9800
4	70	0.27	0.344	0.074	0.089	169	9800
3	95	0.195	0.249	0,074	0,088	205	13300
4	95	0.195	0.249	0,074	0,088	205	13300
4	150	0.126	0.161	0,072	0,087	273	21000

Ambient temperature correction factors

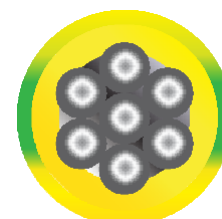
Ambient Temp °C	35	40	45	50	55	60	65	70	75	80
Rating factor	1.10	1.05	1.00	0.94	0.88	0.82	0.74	0.67	0.58	0.47

Installation recommendations

Overall diameter of cable (D)	Minimum Bending Radius during Installation	Minimum Bending Radius Fixed Installed	Maximum Tensile Load During Installation	Minimum Installation Temperature
≤25 mm	8 x D	4 x D	50 N/mm ²	-20°C
>25 mm		6 x D		



Earth Conductors UX 1000V - P15/P108



UX 1000V NEK TS 606 Code P108
 UX M 1000V NEK TS 606 P15/P108

Operating temperature: 90°C
 Operating Voltage: 1000V

Halogen-free, flame retardant and mud-resistant cable for use on ships and offshore units

Application

Insulated conductor for earthing and bonding services
 UX M 1000V meets the Oil & Mud resistance requirement in
 NEK TS 606:2016.

Standards applied

IEC 60092-353 - Design
 NEK TS 606:2016
 IEC 60228 class 2 - Conductor
 IEC 60332-1-2 - Flame Retardant
 IEC 60332-3-22 - Flame Retardant
 IEC 60754-1,2 - Halogen Free
 IEC 61034-1,2 - Low Smoke

Construction

	Code letter	
Conductor		Tinned, stranded copper, IEC 60228 class 2 PETP-tape
Insulation	U	Flame retardant halogen-free thermoset compound, HF90 / SHF2 (IEC 60092-360)
Unsheathed	X	
Marking text (example)		"meter" "year/week" DRAKA 01 Part no. <SAP code> UX M 1000V P15/P108 1x 95 mm ² IEC 332-3-22 Production no. <Prod.ordre no.>
Outer sheath color		Yellow/Green

Range and dimensions

Conductor area, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Diameter over insulation, mm	Weight of Conductor Approx. (Kg/Km)	Copper content Approx. (kg/km)	Ordering info
6	3,1	1,0	5,0±0,5	78	54	8000111
10	4,0	1,0	6,0±0,5	115	87	8000056
16	5,05	1,0	7,0±0,5	173	140	8000062
25	6,3	1,2	9,0±0,5	270	220	8000068
35	7,4	1,2	10,0±0,8	365	302	8000090
50	8,75	1,4	12,0±0,8	500	411	8000110
70	10,6	1,4	13,5±0,8	710	608	8000115
95	12,35	1,6	15,5±0,8	950	820	8000117
120	14,0	1,6	17,5±0,8	1210	1060	8060246
150	15,4	1,8	19,5±0,8	1465	1284	8000060
185	17,3	2,0	21,5±1,0	1820	1596	on request
240	19,85	2,2	24,5±1,0	2385	2105	8041438
300	22,25	2,4	27,0±1,0	2985	2644	on request

Electrical values power cables

Conductor area, mm ²	Max. conductor resistance at 20°C, Ohm/km	Max. conductor resistance at 90°C, Ohm/km	Current rating IEC 60092-352 Table B.4, Ampere	Short circuit rating 1 second, Ampere
6	3.11	3.97	52	840
10	1.84	2.35	72	1400
16	1.16	1.48	96	2240
25	0.734	0.936	127	3500
35	0.529	0.675	157	4900
50	0.391	0.499	196	7000
70	0.27	0.344	242	9800
95	0.195	0.249	293	13300
120	0.154	0.196	339	16800
150	0.126	0.161	389	21000
185	0.100	0.128	444	25900
240	0.0762	0.0972	522	33600
300	0.0607	0.0774	601	42000

Installation recommendations:

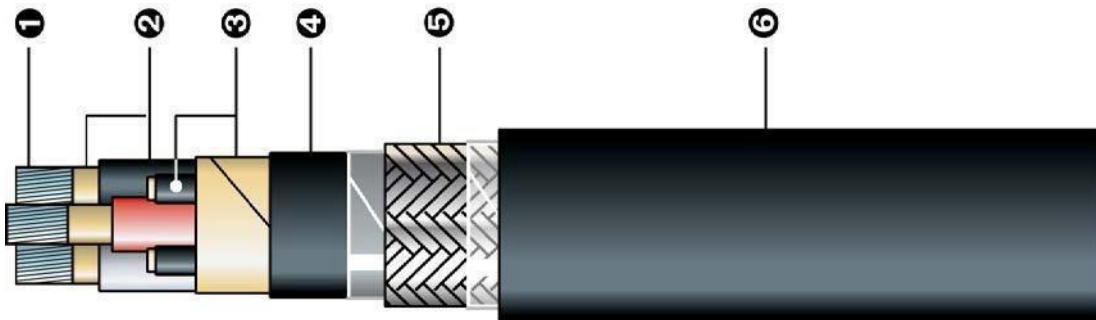
In accordance with IEC 60092-352

Minimum bending radius		Maximum pulling tension	Minimum installation temperature
During installation	Fixed installed	25N x total	
8 x cable diameter	6 x cable diameter	cross section (mm ²) of conductors	- 20 °C



BFOU H-M P105

Power & control 0,6/1 kV



Halogen free - flame retardant

Mineral - hydraulic oils & MUDs resistant Fire resistant

Armoured

Operating temperature over 100 °C

Construction

Conductor	1	Tinned annealed copper flexible Class 2 or Class 5 IEC 60228
Insulation	2	mica tape + EPR HF compound IEC 60092-360
Bedding & Fillers	3	FLAMEBAR® fiberglass tape(s) (*) + fiberglass ropes, EPR sheathed (when sect. $\geq 16 \text{ mm}^2$)
Inner Sheath	4	HF extruded compound
Armour	5	Tinned copper wire braid
Outer Sheath	6	SHF2 H-M compound NEK 606:2016 separator PE tapes (*) where necessary (*) tape overlapping $\geq 50 \%$
Core identification	1 core	Off-white
	2 cores	Off-white, Black
	3 cores	Off-white, Black, Red
	4 cores	Off-white, Black, Red, Blue
	5 cores and above	White & Numbered
Sheath color		Black
Minimal sheath marking		CCI P105 BFOU H-M 0,6/1 kV n x sect mm ² IEC 60092-353 NEK 606 IEC 60332-3-22 Cat A IEC 60331-1 or 2 meter marking year QA n°
Minimum bending radius		4D

Design and construction	IEC 60092-353 NEK 606:2016
Nominal voltage U ₀ / U	0,6/1 kV
Maximum voltage U _{max}	1,2 kV
Maximum conductor temperature	90 °C according to IEC 60092-360
Flame retardancy	IEC 60332-1-2 IEC 60332-3-22 Cat A
Fire resistance	IEC 60331-1 or 2 (120 minutes)
Halogen content & corrosivity	IEC 60754-1 & 2 IEC 60684-2
Smoke density	IEC 61034-1 & 2
UV resistance	UL 1581 § 1200
Ozone resistance	IEC 60092-360
Mineral - hydraulic oils & MUDs resist.	NEK 606:2016
on request:	
Cold Bend and Impact test (- 40° C)	CSA C 22.2 N° 0.3-01 & N° 38-05

Construction, n x mm ²	Conductor Diameter	Insulation Thickness	Diameter Under Armour nominal	Overall Diameter	Weight	Ordering information
	Nominal mm	Nominal mm	mm	Approx mm	Approx Kg/km	
1 x 16	5,2	1,0	11,0	15	450	8091412
1 x 25	6,5	1,2	12,7	17	610	8091413
1 x 35	7,5	1,2	13,7	19	740	8091414
1 x 50	8,3	1,4	14,8	20	900	8091415
1 x 70	10,0	1,4	16,5	22	1.150	8091416
1 x 95	11,8	1,6	18,7	25	1.500	8091417
1 x 120	13,2	1,6	20,1	26	1.770	8091418
1 x 150	14,6	1,8	21,9	28	2.120	8091419
1 x 185	16,5	2,0	24,2	31	2.610	8091420
1 x 240	19,0	2,2	27,5	34	3.310	8091422
1 x 300	21,8	2,4	30,7	38	4.030	8091423
2 x 1,5	1,6	1,0	10,3	15	360	8091424
2 x 2,5	2,0	1,0	11,3	16	420	8091426
2 x 4	2,8	1,0	13,1	18	510	8091430
2 x 6	3,3	1,0	14,3	19	620	8091438
2 x 10	4,1	1,0	16,5	22	810	8091440
2 x 16	5,2	1,0	18,9	25	1.070	8091442
3 x 1,5	1,6	1,0	10,9	16	400	8091444
3 x 2,5	2,0	1,0	12,0	17	470	8091446
3 x 4	2,8	1,0	14,0	19	560	8091448
3 x 6	3,3	1,0	15,3	21	700	8091450
3 x 10	4,1	1,0	17,6	23	910	8091452
3 x 16	5,2	1,0	20,2	26	1.230	8091454
3 x 25	6,5	1,2	24,1	30	1.680	8091456
3 x 35	7,5	1,2	26,1	33	2.110	8091458
3 x 50	8,3	1,4	28,7	36	2.640	8091460
3 x 70	10,0	1,4	32,4	40	3.540	8091462
3 x 95	11,8	1,6	37,1	45	4.720	8091464
3 x 120	13,2	1,6	40,6	49	5.690	8091466
3 x 150	14,6	1,8	44,9	54	6.830	8091468
3 x 185	16,5	2,0	49,8	59	8.440	8091470

Construction, n x mm ²	Conductor Diameter	Insulation Thickness	Diameter Under Armour	Overall Diameter	Weight	Ordering information
	Nominal mm	Nominal mm	Nominal mm	Approx mm	Approx Kg/km	
3 x 240	19,0	2,2	56,5	66	10.760	8091472
3 x 300	21,8	2,4	63,4	74	12.960	8091474
3G x 1,5	1,6	1,0	10,9	16	400	8091425
3G x 2,5	2,0	1,0	12,0	17	470	8091428
3G x 4	2,8	1,0	14,0	19	560	8091431
3G x 6	3,3	1,0	15,3	21	700	8091439
3G x 10	4,1	1,0	17,6	23	910	8091441
3G x 16	5,2	1,0	20,2	26	1.230	8091443
4 x 1,5	1,6	1,0	11,9	17	440	8091476
4 x 2,5	2,0	1,0	13,1	18	520	8091478
4 x 4	2,8	1,0	15,3	21	670	8091480
4 x 6	3,3	1,0	16,8	22	830	8091482
4 x 10	4,1	1,0	19,3	25	1.090	8091484
4 x 16	5,2	1,0	22,2	28	1.510	8091486
4 x 25	6,5	1,2	26,5	33	2.070	8091488
4 x 35	7,5	1,2	28,8	35	2.610	8091490
4 x 50	8,3	1,4	31,6	39	3.380	8091492
4 x 70	10,0	1,4	35,7	44	4.430	8091494
4 x 95	11,8	1,6	41	49	5.940	8091496
4 x 120	13,2	1,6	44,8	54	7.150	8091498
4 x 150	14,6	1,8	49,5	59	8.780	on request
4 x 185	16,5	2,0	55,5	65	11.050	on request
4 x 240	19,0	2,2	62,5	73	14.050	on request
4 x 300	21,8	2,4	70,2	80	16.780	on request
4G x 1,5	1,6	1,0	11,9	17	440	8091445
4G x 2,5	2,0	1,0	13,1	18	520	8091447
4G x 4	2,8	1,0	15,3	21	670	8091449
4G x 6	3,3	1,0	16,8	22	830	8091451
4G x 10	4,1	1,0	19,3	25	1.090	8091453
4G x 16	5,2	1,0	22,2	28	1.510	8091455
4G x 25	6,5	1,2	26,5	33	2.070	8091457
4G x 35	7,5	1,2	28,8	35	2.610	8091459
4G x 50	8,3	1,4	31,6	39	3.380	8091461
4G x 70	10,0	1,4	35,7	44	4.430	8091463
4G x 95	11,8	1,6	41	49	5.940	8091465
4G x 120	13,2	1,6	44,8	54	7.150	8091467
4G x 150	14,6	1,8	49,5	59	8.780	8091469
4G x 185	16,5	2,0	55,5	65	11.050	8091471
4G x 240	19,0	2,2	62,5	73	14.050	8091473
4G x 300	21,8	2,4	70,2	80	16.780	8091475
5 x 1,5	1,6	1,0	13,3	18	540	8091500
7 x 1,5	1,6	1,0	14,5	20	630	8091502
12 x 1,5	1,6	1,0	19,1	25	990	8091504
19 x 1,5	1,6	1,0	22,6	29	1.330	8091508
27 x 1,5	1,6	1,0	27,4	34	1.870	8091506
37 x 1,5	1,6	1,0	31	38	2.450	8091510

Construction, n x mm ²	Conductor Diameter Nominal mm	Insulation Thickness Nominal mm	Diameter Under Armour Nominal mm	Overall Diameter Approx mm	Weight Approx Kg/km	Ordering information
5G x 1,5	1,6	1,0	13,3	18	540	8091477
5 x 2,5	2,0	1,0	14,4	19	640	8091512
7 x 2,5	2,0	1,0	15,7	21	740	8091514
12 x 2,5	2,0	1,0	20,9	27	1.190	8091516
19 x 2,5	2,0	1,0	24,8	31	1650	8091518
27 x 2,5	2,0	1,0	28,8	36	2320	on request
37 x 2,2	2,0	1,0	34	41	3030	8091520
5G x 2,5	2,0	1,0	14,4	19	640	8091479
5G x 4						8091481
5G x 6						8091483
5G x 10						8091485
5G x 16						8091487
5G x 25						8091489
5G x 35						8091491



RFOU P101 SemGreen 0.6/1 KV Armoured Class 5



Operating temperature: -15/90°C
Operating Voltage: 0.6/1 kV

Halogen-free, fire-resistant, flame retardant and MUD-resistant cable. Semco Maritime supplies a complete range of power control cables for use on board all types of civil and military vessels. Can be installed and operated both indoors and outdoors. With green outer sheath.

Standards applied

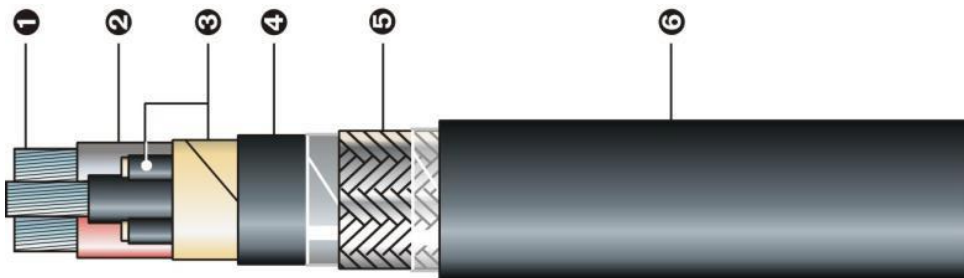
IEC 60092-353	- Design
IEC 60228 class 5	- Conductor
IEC 60092-360	- Insulation
IEC 60092-360	- Sheath
IEC 60332-1-2	- Flame Retardant
IEC 60332-3-22	- Flame Retardant
IEC 60754-1,2	- Halogen Free

Size	Thickness inner covering mm	Diameter inner covering mm	Thickness outer Sheath mm	Diameter outer Sheath mm	Weight of cable Approx (kg/km)	Ordering info
3G x 2.5	1.1	10.8	1.3	14.7	380	8091646
5G x 2.5	1.1	13	1.4	17.1	510	8095883
5G x 6	1.1	15.9	1.5	20.1	810	8002695
5G x 10	1.2	18.4	1.5	22.9	1110	8004252
5G x 16	1.2	21.1	1.6	25.8	1470	8091648



RFOU H-M P101

Power & control 0,6/1 kV



Halogen free - flame retardant

Mineral - hydraulic oils & MUDs resistant armoured

Operating temperature - over 100 °C

Construction

Conductor	1	Tinned annealed copper flexible Class 2 or Class 5 IEC 60228
Insulation	2	EPR HF compound IEC 60092-360
Bedding & Fillers	3	FLAMEBAR® fiberglass tape(s) (*) + fiberglass ropes, EPR sheathed (when sect. ≥ 16 mm²)
Inner Sheath	4	HF extruded compound
Armour	5	Tinned copper wire braid
Outer Sheath	6	SHF2 H-M compound NEK 606:2016 separator PE tapes (*) where necessary (*) tape overlapping ≥ 50 %
Core identification	1 core	Off-white
	2 cores	Off-white, Black
	3 cores	Off-white, Black, Red
	4 cores	Off-white, Black, Red, Blue
	5 cores and above	White & Numbered
Sheath color		Black
Minimal sheath marking		CCI P101 RFOU H-M 0,6/1 kV n x sect mm² IEC 60092-353 NEK 606 IEC 60332-3-22 Cat A meter marking year QA n°
Minimum bending radius		4D

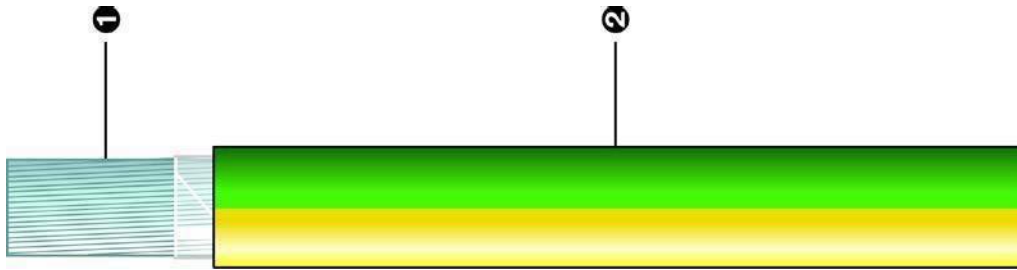
Construction, n x mm ²	Conductor Diameter	Insulation Thickness	Diameter Under Armour nominal	Overall Diameter	Weight	Ordering information
	Nominal mm	Nominal mm	mm	Approx mm	Approx Kg/km	
1 x 16	5,2	1,0	10,9	15	480	on request
1 x 25	6,5	1,2	12,6	17	620	on request
1 x 35	7,5	1,2	13,6	18	745	on request
1 x 50	8,3	1,4	14,7	19	900	on request
1 x 70	10,0	1,4	16,4	21	1145	on request
1 x 95	11,8	1,6	18,6	24	1500	on request
1 x 120	13,2	1,6	20,4	26	1800	on request
1 x 150	14,6	1,8	22,2	28	2150	on request
1 x 185	16,5	2,0	24,5	30	2630	on request
1 x 240	19,0	2,2	27,8	34	3320	on request
1 x 300	21,8	2,4	31	38	4030	on request
2 x 1,5	1,6	1,0	9,5	14	290	on request
2 x 2,5	2,0	1,0	10,5	15	350	on request
2 x 4	2,8	1,0	12,1	17	470	on request
2 x 6	3,3	1,0	13,1	18	560	on request
2 x 10	4,1	1,0	15,3	21	770	on request
2 x 16	1,6	1,0	9,5	14	290	on request
3 x 1,5	1,6	1,0	9,8	14	320	on request
3 x 2,5	2,0	1,0	10,6	16	380	on request
3 x 4	2,8	1,0	12,4	18	560	on request
3 x 6	3,3	1,0	13,4	19	640	on request
3 x 10	4,1	1,0	15,2	22	890	on request
3 x 16	5,2	1,0	17,6	25	1.190	on request
3 x 25	6,5	1,2	21,2	29	1.610	on request
3 x 35	7,5	1,2	23,4	32	2.100	on request
3 x 50	8,3	1,4	26,0	35	2.720	on request
3 x 70	10,0	1,4	30,0	39	3.550	on request
3 x 95	11,8	1,6	34,8	45	4.700	on request
3 x 120	13,2	1,6	37,8	49	5.650	on request
3 x 150	14,6	1,8	42,1	53	6.970	on request
3 x 185	16,5	2,0	48,6	58	8.430	on request
3 x 240	19,0	2,2	53,3	66	10.790	on request
3 x 300	21,8	2,4	60,3	77	13.370	on request
3G x 6	3,3	1,0	13,4	19	640	8091642
4 x 1,5	1,6	1,0	11	15	390	on request
4 x 2,5	2,0	1,0	12,2	16	470	on request
4 x 4	2,8	1,0	14,5	19	680	on request
4 x 6	3,3	1,0	15,9	22	850	on request
4 x 10	4,1	1,0	18,5	24	1.100	on request
4 x 16	5,2	1,0	21,5	27	1.500	on request
4 x 25	6,5	1,2	25,3	33	2.110	on request
4 x 35	7,5	1,2	27,8	35	2.640	on request
4 x 50	8,3	1,4	31	38	3.440	on request
4 x 70	10,0	1,4	35,5	43	4.510	on request
4 x 95	11,8	1,6	41,2	49	5.950	on request
4 x 120	13,2	1,6	45	54	7.270	on request
4 x 150	14,6	1,8	48,2	57	8.550	on request

Construction, n x mm ²	Conductor Diameter	Insulation Thickness	Diameter Under Armour nominal	Overall Diameter	Weight	Ordering information
	Nominal mm	Nominal mm	mm	Approx mm	Approx Kg/km	
4 x 185	16,5	2,0	54,2	64	10.775	on request
4 x 240	19,0	2,2	61	71	13.760	on request
4 x 300	16,5	2,0	54,2	64	10.775	on request
5 x 1,5	1,6	1,0	16,2	16	480	on request
7 x 1,5	1,6	1,0	16,3	19	550	on request
12 x 1,5	1,6	1,0	23,6	24	860	on request
19 x 1,5	1,6	1,0	29,2	28	1.550	on request
37 x 1,5	1,6	1,0	28,1	35	2.040	on request
5 x 2,5	2,0	1,0	13,3	18	570	on request
7 x 2,5	2,0	1,0	14,5	20	660	on request
12 x 2,5	2,0	1,0	19,2	25	1.050	on request
19 x 2,5	2,0	1,0	22,8	29	1.450	on request
37 x 2,5	2,0	1,0	43,2	39	2.670	on request



UX H-M P108

Earth 0,6/1 kV



Halogen free - flame retardant

Mineral - hydraulic oils & MUDs resistant

Operating temperature over 100 °C

Construction

Conductor	1	Tinned annealed copper flexible Class 2 or Class 5 IEC 60228
Outer Sheath	2	SHF2 H-M compound NEK 606:2016 separator PE tapes (*) where necessary (*) tape overlapping $\geq 50\%$
Minimal sheath marking		CCI P108 UX H-M 0,6/1 kV sect mm ² IEC 60092-353 NEK 606 IEC 60332-3-22 Cat A meter marking year QA n°
Minimum bending radius		4D
Design and construction		IEC 60092-353 NEK 606:2016
Nominal voltage U ₀ / U		0,6/1 kV
Maximum voltage U _{max}		1,2 kV
Maximum conductor temperature		90 °C according to IEC 60092-360
Flame retardancy		IEC 60332-1-2 IEC 60332-3-22 Cat A
Halogen content & corrosivity		IEC 60754-1 & 2 IEC 60684-2
Smoke density		UL 1581 § 1200
Ozone resistance		IEC 60092-360
Mineral - hydraulic oils & MUDs resist.		NEK 606:2016
on request:		
Cold Bend and Impact test (- 40° C)		CSA C 22.2 N° 0.3-01 & N° 38-05

Construction, n x mm ²	Conductor Diameter, mm	Sheath Thickness, mm	Overall Diameter, mm	Weight Approx Kg/km	Ordering information
1 x 6	3,3	1,0	5,3	114	8091641
1 x 10	4,1	1,0	6,1	154	8091336
1 x 16	5,2	1,0	7	220	8091337
1 x 25	6,5	1,2	9	300	on request
1 x 35	7,5	1,2	10	390	on request
1 x 50	8,3	1,4	11	490	on request
1 x 70	10,0	1,4	13	670	on request
1 x 95	11,8	1,6	15	920	on request
1 x 120	13,2	1,6	16	1.170	on request
1 x 150	14,6	1,8	18	1.445	on request
1 x 185	16,5	2,0	20	1.930	on request
1 x 240	19,0	2,2	23	2.425	on request
1 x 300	21,8	2,4	31	3.000	on request